

AD-A188 317

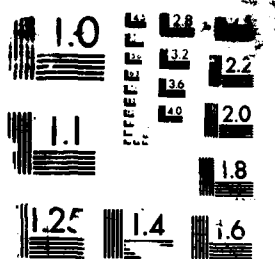
MCGUIRE AFB NEW JERSEY REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS (U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A.. DEC 87  
USAFETAC/DS-87/882

1/4

UNCLASSIFIED

F/G 4/2

NL



NA 100 COPY RESOLUTION TEST CHART

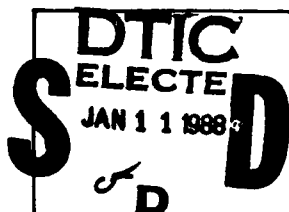
AD-A188 317

USN J 724096

USAFETAC/DS-87/082 1 DEC 1987

AND TECHNICAL LIBRARY  
JAN 11 1988

DTIC FILE COPY



OPERATING LOCATION - A

USAFETAC

Air Weather Service (MAC)



REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS

McGUIRE AFB NJ

MSC 724096

N 40 01

W 074 36

ELEV 133 FT

KWRI

PARTS A - F HOURS SUMMARIZED 0000 - 2300 LST

PERIOD OF RECORD:

HOURLY OBSERVATIONS: AUG 78 - JUL 87

SUMMARY OF DAY DATA: SEP 42 - MAR 46,

AUG 48 - JUL 87

DEC 16 1987

"Approved for public release;  
Distribution Unlimited"

FEDERAL BUILDING

ASHEVILLE, N.C. 28801 - 2723

40 1 1 263

**REPORT DOCUMENTATION PAGE**

- 1a. Report Security Classification: UNCLASSIFIED
3. Distribution/Availability of Report: Approved for public release; Distribution unlimited.
4. Performing Organization Report Number: USAFETAC/DS-87/082.
5. Monitoring Organization Report Number: USAFETAC/DS-87/082.
- 6a. Name of Performing Organization: USAFETAC/OL-A
- 6b. Office Symbol:
- 6c. Address: Federal Building, Asheville, NC 28801-2723.
- 11 Title: (RUSSWO) McGuire AFB NJ.
- 12 Personal Author(s):
- 13a Type of Report: Data Summary
- 13b Time Covered: Sep 42-Mar 46, Aug 48-Jul 87.
- 14 Date of Report: Dec 87
- 15 Page Count: 312
- 16 Supplementary Notation:
- 17 COSATI Codes: Field--04, Group--02
- 18 Subject Terms: \*climatology; \*weather; meteorological conditions; winds; precipitation; temperature; visibility; barometric pressure; relative humidity; sky cover; psychrometric data; ceiling; Revised Uniform Summary of Surface Weather Observations (RUSSWO); McGuire AFB NJ; Fort Dix NJ; USNJ724096.
- 19 Abstract: A six-part statistical data summary of surface weather observations for: McGuire AFB NJ. Summary consists of: PART A, Weather Conditions and Atmospheric Phenomena; PART B, Precipitation; PART C, Surface Winds; PART D, Ceiling and Visibility; PART E, Psychrometric Summaries; PART F, Pressure Summaries. See USAFETAC/TN-83/001 (ADA132186), An Aid for Using the Revised Uniform Summary of Surface Weather Observations (RUSSWO) for complete description of contents and instructions for use.
- 20 Distribution/Availability of Abstract: Same as report.
- 21 Abstract Security Classification: UNCLASSIFIED.
- 22a Name of Responsible Individual: Marianne L. Cavanaugh
- 22b Telephone: (618)256-2625
- 22c Office Symbol: USAFETAC/LDD

DD FORM 1473UNCLASSIFIED

**REVIEW AND APPROVAL STATEMENT**

USAFETAC/DS-87/082 McGuire AFB NJ (RUSSWO) Dec 1987 is approved for public release. There is no objection to unlimited distribution of this document to the public at large, or by the Defense Technical Information Center (DTIC) to the National Technical Information Service (NTIS).

This document has been reviewed and is approved for publication.

FOR THE COMMANDER

A handwritten signature in dark ink, appearing to read 'Walter S. Burgmann', written in a cursive style.

WALTER S. BURGMANN  
Scientific and Technical Information Program Manager

STATION NAME	
STATION NUMBER	724096
PERIOD OF RECORD	AUG 77 - JUL 87
SUMMARY OF DAY DATA	SEP 82 - MAR 86, AUG 88 - JUL 87
TIME CONVERSION	LST TO GMT: +5
DATE PRODUCED	4 DEC 1987
<input checked="" type="checkbox"/> GRA&I <input type="checkbox"/> CAS <input type="checkbox"/>	
A-1	



RRRRRRRR	UU	UU	SSSSSS	SSSSSS	WW	WW	0000
RRRRRRRR	UU	UU	SSSSSSSS	SSSSSSSS	WW	WW	00000000
RR RR	UU	UU	SSS SSS	SSS SSS	WW	WW	000 000
RRRRRRRR	UU	UU	SS SS	SS SS	WW	WW	00 00
RRRRRRRR	UU	UU	SS	SS	WW	WW	00 00
RR RR	UU	UU	SS SS	SS SS	WW W WW	WW	00 00
RR RR	UU	UU	SSS SSS	SSS SSS	WW WWW WW	WW	000 000
RR RR	UU	UU	SSSSSSSS	SSSSSSSS	WW WW WW WW	WW	00000000
RR RR	UUUUUU		SSSSSS	SSSSSS	WWW WWW	WWW	0000

STATION NAME: MCGUIRE AFB NJ

STATION NUMBER: 724096

CALL ID: KWRI

PERIOD OF RECORD:

HOURS SUMMARIZED: 0000-2300 LST

HOURLY OBSERVATIONS: AUG 77 - JUL 87

SUMMARY OF DAY DATA: SEP 82 - MAR 86, AUG 88 - JUL 87

TIME CONVERSION LST TO GMT: +5

DATE PRODUCED: 4 DEC 1987

OL-A/USAFETAC/MAC/AWS  
ASHEVILLE NC 28801

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS: ALL RECORD OR RECORD SPECIAL OBSERVATIONS RECORDED ON THE AWS FORMS 10/10A AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY DATA (DAILY OBSERVATIONS): DATA COMPILED FROM ALL AVAILABLE OBSERVATIONS WHICH INCLUDES HOURLY OBSERVATIONS AND DAILY DATA RECORDED IN COLUMNS 66-73, AWS FORMS 10/10A.

DESCRIPTION OF SUMMARIES: PRECEDING EACH PART OF THE RUSSWO IS A BRIEF DISCUSSION OF THE SUMMARY INCLUDING THE MANNER OF PRESENTATION.

STANDARD 3-HOUR TIME GROUPS: IN ALL SUMMARIES SHOWING DIURNAL VARIATIONS, WE SUMMARIZE DATA USING THE FOLLOWING EIGHT 3-HOUR TIME PERIODS IN LOCAL STANDARD TIME: 0000-0200, 0300-0500, 0600-0900, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 LST.

FOR A DETAILED DESCRIPTION OF EACH SUMMARY WITH EXAMPLES AND EXERCISES ON ITS USAGE, SEE USAFETAC/TN-83-001, "AN AID FOR USING THE REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS" (RUSSWO).

TABLE OF CONTENTS

STATION HISTORY

PART A: WEATHER CONDITIONS AND ATMOSPHERIC PHENOMENA SUMMARIES

PART B: PRECIPITATION, SNOWFALL, AND SNOW DEPTH SUMMARIES

PART C: SURFACE WIND SUMMARIES

PART D: CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

PART E: TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

PART F: PRESSURE SUMMARIES

AWSMSC NUMBER: THIS NUMBER IS THE AIR WEATHER SERVICE MASTER STATION CATALOG NUMBER. THIS NUMBER IS COMPRISED OF THE WMO NUMBER WITH THE ADDITION OF A SUFFIX (0 THROUGH 9). IN CASES WHERE THERE IS NO DESIGNATED WMO NUMBER, A 5-DIGIT NUMBER IS CREATED IN AGREEMENT WITH WMO RULES PLUS A SIXTH DIGIT. THESE NUMBERS ARE ALSO REFERRED TO AS DATSAV OR USAFETAC NUMBERS WHICH UNIQUELY IDENTIFY MORE THAN 15,000 REPORTING STATIONS WORLD WIDE.

STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV (FT)	CALL SIGN	WMO NUMBER
724096	MCGUIRE AFB N. J./WRIGHTSTOWN	N 40 01	W 074 36	133	WRI	

## STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FIELD (FT)	MT. BARD.	
1	Fort Dix New Jersey	AAF	Jul 42	Mar 46	N 40 02	W 074 36	124	128	24
2	McGuire AFB, New Jersey	AFB	Aug 48	Jun 50	No chge	No chge	No chge	No chge	24
3	No change	AFB	Jul 50	Jun 55	No chge	No chge	120	127	24
4	No change	AFB	Jul 55	Apr 57	N 40 01	W 074 35	133	117	24
5	No change	AFB	May 57	Dec 70	N 40 00	W 074 36	No chge	148	24
6	No change	AFB	Jan 71	Nov 77	N 40 01	W 074 36	133	148	24
7	No change	AFB	Dec 77	Dec 83	N 40 01	W 074 36	133	148	24
8	No Change	AFB	Jan 84	Jul 87	N 40 01	W 074 36	133	148	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Jul 42-Feb 43	Located 250 ft. N of E-W Rnwy.	Anemometer	N/A	24 ft.	
2	Mar 43-Dec 44	Located on NW wing of base operations bldg.	No chge	N/A	45 ft.	
3	Jan 45-Mar 46	No change.	Selsyn	ML-144B	52 ft.	
4	Aug 48-Feb 56	Located on roof over weather stn.	No chge	No chge	50 ft.	
5	Mar 56-Feb 57	Located 1500 ft. from SW end of Rnwy 06, 500 ft from center of Rnwy 06.	AN/GMQ-11	RO-2	16 ft.	

USAFETAC

FORM NOV 73

O-19 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

CONTINUED ON REVERSE SIDE

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT. ABOVE GROUND	
6	Mar 57- Feb 58	Located approx. 1 1/4 miles S of station inside of leg of triangle formed by Rnwy 06.	AN/GMQ-11	RO-2	20 ft.	
7	Mar 58- May 61	Located 500 ft. N and 1500 ft. from end of Rnwy 06.	No chge	No chge	25 ft.	
8	Jun 61- Dec 61	Located 500 ft from Rnwy 06, 1000 ft. SW from ILS Glide Slope Transmitter.	No chge	No chge	15 ft.	
9	Jan 62- Feb 65	1. Located 500 ft. from Rnwy 06, 1000 ft. SW from ILS Glide Slope Transmitter. 2. Located 500 ft. S of Rnwy 24 centerline, 1000 ft. from approach end of Rnwy 24.	No chge No chge	No chge	15 ft. 15 ft.	
10	Mar 65- Sep 70	1. Rnwy 06 - 500 ft. from center, 500 Ft. from approach end. 2. Rnwy 24 - 500 ft. from center, 1000 ft. from approach end.	No chge No chge	No chge	13 ft. 13 ft.	
11	Oct 70- Dec 70	1. Rnwy 06 - 400 ft. from center, 400 ft. from the end. 2. Rnwy 24 - 400 ft. from center, 1400 ft. from end.	AN/GMQ-20 AN/GMQ-20	RO-362	No chge No chge	
12	Jan 71- Nov 77	1. Same 2. Same	Same Same	Same	No chge No chge	
13	Apr 80	1. Rnwy 06 - NW side of rnwy 350 Ft from center, 1000 Ft from end of rnwy. 2. Rnwy 24 - NW side of rnwy 350 ft from center, 1000 ft from end of rnwy.	Same Same	Same	No chge No chge	
14.	Dec 83	1. Same 2. Same	Same	Same	No chge	

PPPPPPPP  
PPPPPPPP  
PP PP  
PP PP  
PPPPPPPP  
PPPPPPPP  
PP  
PP  
PP  
PP  
PP

AAAAAA  
AAAAAAA  
AA AA  
AA AA  
AA AA  
AAAAAAA  
AAAAAAA  
AA AA  
AA AA  
AA AA  
AA AA

RRRRRRRR  
RRRRRRRR  
RR RR  
RR RR  
RRRRRRRR  
RRRRRRR  
RR RR  
RR RR  
RR RR  
RR RR  
RR RR

TTTTTTTT  
TTTTTTTT  
TT  
TT  
TT  
TT  
TT  
TT  
TT  
TT  
TT

AAAAAA  
AAAAAAA  
AA AA  
AA AA  
AA AA  
AAAAAAA  
AAAAAAA  
AA AA  
AA AA  
AA AA  
AA AA

## WEATHER CONDITIONS AND ATMOSPHERIC PHENOMENA SUMMARIES

### WEATHER CONDITIONS SUMMARY

1. A PERCENTAGE FREQUENCY OCCURRENCE SUMMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS TO VISION.
2. DATA BASED ON HOURLY OBSERVATIONS.
3. SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

### ATMOSPHERIC PHENOMENA SUMMARY

1. A PERCENTAGE FREQUENCY OF DAYS SUMMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS TO VISION.
2. DATA BASED ON SUMMARY OF DAY DATA.
3. SUMMARIZED BY MONTH WITH ALL HOURS AND ALL YEARS COMBINED.

### DEFINITIONS:

THUNDERSTORMS: ALL REPORTED THUNDERSTORMS, TORNADOES AND WATERSPOUTS.

RAIN AND/OR DRIZZLE: ALL REPORTED RAIN AND OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING RAIN AND/OR FREEZING DRIZZLE (GLAZE): ALL REPORTED FREEZING RAIN OR FREEZING DRIZZLE.

SNOW AND/OR SLEET. SNOW INCLUDING SNOW PELLETS AND GRAINS, ICE CRYSTALS AND PELLETS, AND/OR SLEET (ICE PELLETS).

HAIL: ALL REPORTED HAIL.

ALL PRECIPITATION: THIS CATEGORY INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY APPEAR IN A SINGLE OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL COLUMNS MAY EXCEED THE PERCENTAGES IN THIS COLUMN.

FOG: ALL REPORTED FOG, ICE FOG AND GROUND FOG.

SMOKE AND/OR HAZE: ALL REPORTED SMOKE, HAZE AND ANY COMBINATION THEREOF.

BLOWING SNOW: ALL REPORTED BLOWING SNOWS INCLUDING DRIFTING WHEN REPORTED.

DUST AND/OR SAND: ALL REPORTED DUST, SAND, BLOWING DUST, BLOWING SAND AND ANY COMBINATION THEREOF. THE ATMOSPHERIC PHENOMENA SUMMARY (DAYS WITH) INCLUDES ONLY THOSE REPORTS WHEN THE PHENOMENA VISIBILITY LESS THAN 5/8 MILES (1000 METERS).

ALL OBSTRUCTIONS TO VISION: INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION (FOG THRU DUST/SAND) AND BLOWING SPRAY. BECAUSE MORE THAN ONE PHENOMENA PER OBSERVATION MAY OCCUR, THE SUM OF THE INDIVIDUAL COLUMNS MAY EXCEED THIS COLUMN.

NOTES:

1. A VALUE IN THE TABLES OF ".0" INDICATES LESS THAN .05% OCCURRENCE WHICH IS USUALLY ONLY ONE OCCURRENCE
2. METAR STATIONS (BEGINNING IN JAN 1968) AND SYNOPTIC REPORTING STATIONS RECORDED ON THE AWS FORMS 10/10A AND TRANSMITTED LONGLINE ONLY THE HIGHEST ORDER OF ATMOSPHERIC PHENOMENA OBSERVED. BEGINNING IN JAN 1970, METAR STATIONS RECORDED ALL OBSERVED PHENOMENA BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE OBSERVATION CONTAINED RAIN, FOG AND SMOKE, ALL THREE WILL APPEAR ON THE AWS FORMS 10/10A, BUT ONLY THE RAIN WAS TRANSMITTED LONGLINE. THEREFORE ONLY THE RAIN APPEARS IN OUR DATA BASE FOR HOURLY SUMMARIZATION. THIS PRACTICE EFFECTS THE PERCENTAGES IN THE TABLES.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: JAN

HOURS (LST)	TSTMS	RAIN L/OP DRIZZLE	FRZING RAIN L/OP DRIZZLE	SNOW L/OP SLEET	FAIL	% OBS WITH PRECIP	FOG	SMOKE L/OP HAZE	BLOWING SNOW	DUST L/OP SAND	% OBS W/CBST TO VISION	TOTAL OBS
00-02		6.7	1.0	7.2		14.3	16.2	3.8	1.2		20.4	930
03-05		5.7	1.3	8.6		15.2	16.6	2.7	1.8		20.1	930
06-08		6.7	1.0	8.0		15.1	19.4	4.8	1.2		24.0	930
09-11		9.0	.2	8.7		17.4	18.5	11.2	1.5		29.2	930
12-14		7.0	.2	9.7		18.0	14.9	8.7	.8		23.6	930
15-17		9.7	.6	6.2		15.9	16.2	9.1	1.1		25.4	930
18-20	.1	3.9	.6	5.5		14.4	15.9	5.5	.4		20.9	930
21-23	.1	7.3	1.7	7.2		15.6	15.8	4.4	.8		19.9	930
TOTALS	.2	7.9	.8	7.6		15.7	16.7	6.3	1.1		23.0	7440

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: FEB

HOURS (LST)	TSTMS	RAIN L/OP DRIZZLE	FRZING RAIN L/OP DRIZZLE	SNOW L/OP SLEET	FAIL	% OBS WITH PRECIP	FOG	SMOKE L/OP HAZE	BLOWING SNOW	DUST L/OP SAND	% OBS W/CBST TO VISION	TOTAL OBS
00-02		7.6	.5	3.3		16.0	19.0	3.8	.6		22.9	846
03-05		9.5	.2	6.0		15.1	21.2	3.1	.9		24.6	846
06-08		8.6	.1	5.2		13.4	27.0	7.1	1.2		33.2	846
09-11		9.3		5.9		14.8	20.9	12.1	2.0		33.3	846
12-14	.1	7.6	.4	5.6		15.0	14.9	11.9	1.9		27.4	846
15-17		9.0	.4	3.8		12.6	13.0	12.6	1.2		26.2	846
18-20	.2	8.7	.5	5.6	.1	14.7	13.6	9.2	.3		23.0	846
21-23	.1	5.0	.2	6.3		15.1	14.8	5.6	.6		20.4	845
TOTALS	.4	8.7	.3	5.6	.1	14.6	19.1	8.2	1.1		26.4	6767

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: MAR

HOURS (LST)	TSTMS	RAIN L/OR DRIZZLE	FRZING RAIN L/OR DRIZZLE	SNOW L/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE L/OR HAZE	BLOWING SNOW	DUST L/OR SAND	% OBS W/CBST TO VISION	TOTAL OBS
00-02	.3	12.2		3.4		15.4	14.1	3.5	.2		16.7	930
03-05	.2	12.6		4.3		16.0	14.8	4.4	.5		18.8	930
06-08	.2	12.6		3.7		15.7	20.0	9.7	.2		28.5	930
09-11	.2	12.3	.1	4.4		15.5	13.8	8.6			21.4	930
12-14	.2	13.5		3.7		16.6	11.4	8.0			18.9	930
15-17		12.0		3.8		14.9	11.6	6.5	.1		18.0	930
18-20	.4	10.3		3.7		13.1	10.1	5.3	.1		15.1	930
21-23	.4	12.2		4.1		15.7	11.3	4.2	.1		14.7	930
TOTALS	.2	12.2	.0	3.9		15.4	13.4	6.3	.2		19.0	7440

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: APR

HOURS (LST)	TSTMS	RAIN L/OR DRIZZLE	FRZING RAIN L/OR DRIZZLE	SNOW L/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE L/OR HAZE	BLOWING SNOW	DUST L/OR SAND	% OBS W/CBST TO VISION	TOTAL OBS
00-02	.8	15.4		1.2		16.2	20.8	4.8			24.4	900
03-05	.1	13.4		1.6		14.8	25.4	4.9			28.8	900
06-08		15.7		1.3		16.7	30.7	9.0			36.6	900
09-11		13.3		1.3		14.7	17.1	7.9			23.6	900
12-14	.6	13.9		1.7		15.3	11.3	8.0	.2		18.3	900
15-17	.6	14.6		1.1		15.6	11.0	7.7			18.2	900
18-20	.8	13.4		.8		14.2	15.0	7.0	.3		21.3	900
21-23	.6	15.4		.9		16.0	17.4	4.9			21.2	900
TOTALS	.5	14.4		1.2		15.4	16.6	6.4	.1		24.1	7200

GLOBAL CLIMATOLOGY BRANCH  
USAF LTAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: MAY

HOURS (LST)	TSTMS	RAIN 6/0R DRIZZLE	FRZING RAIN 6/0R DRIZZLE	SNOW 6/0R SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE 6/0R HAZE	BLOWING SNOW	DUST 6/0R SAND	% OBS W/CBST TO VISION	TOTAL OBS
00-02	.8	13.2				13.2	27.8	7.1			33.2	930
03-05	.6	14.3				14.3	37.5	9.0			42.4	930
06-08	.2	13.5				13.5	34.2	14.8			43.0	930
09-11	.3	12.3				12.3	17.3	16.9			33.9	930
12-14	.2	11.6				11.6	10.6	17.1			26.7	930
15-17	1.7	12.4				12.4	8.9	16.2			24.9	930
18-20	2.7	13.0				13.0	12.3	14.1			25.8	930
21-23	1.3	14.3				14.3	19.1	11.5			29.5	930
TOTALS	1.3	13.1				13.1	21.0	13.6			32.4	7440

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: JUN

HOURS (LST)	TSTMS	RAIN 6/0R DRIZZLE	FRZING RAIN 6/0R DRIZZLE	SNOW 6/0R SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE 6/0R HAZE	BLOWING SNOW	DUST 6/0R SAND	% OBS W/CBST TO VISION	TOTAL OBS
00-02	1.2	7.7				7.7	24.2	19.2			39.9	900
03-05	.7	7.0				7.6	35.4	18.6			47.4	900
06-08	.3	7.7				7.7	29.8	22.7			45.9	900
09-11	.2	7.7				7.7	14.2	27.4			39.6	900
12-14	.6	6.0				6.0	6.4	28.7			34.2	900
15-17	2.7	9.0				9.0	6.1	20.6			33.8	900
18-20	3.2	6.1				6.1	10.4	26.7			34.3	900
21-23	2.2	10.2				10.2	17.7	23.1			36.8	900
TOTALS	1.4	8.0				8.0	18.0	24.4			39.1	7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: JUL

HOURS (LST)	FSIMS	RAIN C/OP DRIZZLE	FRZING RAIN C/OP DRIZZLE	SNOW C/OP SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE C/OP HAZE	BLOWING SNOW	DUST C/OP SAND	% OBS W/CBST TO VISION	TOTAL OBS
00-02	1.2	5.2				5.2	11.6	29.9			12.2	930
03-05	1.4	5.6				5.6	48.7	26.1			61.4	930
06-08	.6	6.5				6.5	42.3	12.4			60.8	930
09-11	.4	5.4				5.4	13.7	19.7			46.5	930
12-14	1.6	5.9				5.9	3.9	40.8			43.7	930
15-17	3.7	7.0				7.0	6.3	42.6			45.8	930
18-20	2.7	7.0				7.0	8.0	41.2			55.9	926
21-23	1.9	5.8				5.8	19.4	35.7			48.9	927
TOTALS	1.7	6.1				6.1	21.5	36.1			50.9	7435

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: AUG

HOURS (LST)	FSIMS	RAIN C/OP DRIZZLE	FRZING RAIN C/OP DRIZZLE	SNOW C/OP SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE C/OP HAZE	BLOWING SNOW	DUST C/OP SAND	% OBS W/CBST TO VISION	TOTAL OBS
00-02	2.2	6.7				6.7	14.6	30.0			53.7	930
03-05	1.2	5.4				5.4	52.7	27.2			63.6	930
06-08	.5	5.9				5.9	51.3	14.1			65.9	930
09-11	.2	5.2				5.2	14.7	42.2			60.6	930
12-14	.9	6.5				6.5	5.8	44.9			46.7	930
15-17	2.9	5.9				6.9	6.8	47.3			52.4	930
18-20	1.5	7.4				7.4	10.0	41.7			48.9	930
21-23	1.0	7.0				7.0	11.4	16.3			50.2	930
TOTALS	1.4	6.3				6.3	24.7	36.0			54.3	7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: SEP

HOURS (LST)	TSTMS	RAIN L/OR DRIZZLE	FRZING RAIN L/OR DRIZZLE	SNOW L/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE L/OR HAZE	BLOWING SNOW	DUST L/OR SAND	% OBS W/CBST TO VISION	TOTAL OBS
00-02	.8	9.7				9.7	30.0	14.1			38.8	900
03-05	.1	9.1				9.1	39.6	14.2			46.1	900
06-08	.3	7.4				7.4	45.9	19.9			54.6	900
09-11		6.7				6.7	15.6	26.4			40.4	900
12-14	.4	6.3				6.3	6.4	29.2			33.7	900
15-17	.7	6.2				6.2	6.3	29.9			35.0	900
18-20	1.6	8.4				8.4	11.9	25.8			34.8	900
21-23	1.0	9.4				9.4	22.3	20.1			37.3	900
TOTALS	.8	7.9				7.9	22.3	22.7			40.1	7200

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: OCT

HOURS (LST)	TSTMS	RAIN L/OR DRIZZLE	FRZING RAIN L/OR DRIZZLE	SNOW L/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE L/OR HAZE	BLOWING SNOW	DUST L/OR SAND	% OBS W/CBST TO VISION	TOTAL OBS
00-02	.2	9.7				9.7	26.6	6.8			29.8	930
03-05		10.4				10.4	33.2	5.9			36.3	930
06-08	.2	10.3		.1		10.3	42.0	12.0			46.8	930
09-11		9.2		.3		9.5	18.4	20.3			35.7	930
12-14	.1	9.5		.3		9.5	8.7	16.0			24.3	930
15-17		7.6		.1		7.6	8.2	15.9			24.5	930
18-20	.3	6.7				6.7	14.0	11.7			23.7	930
21-23	.5	9.6				9.0	19.2	7.8			23.5	930
TOTALS	.2	9.3		.1		7.4	21.4	12.1			20.6	7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: NOV

HOURS (LST)	TSTMS	RAIN E/OF DRIZZLE	FRZING RAIN E/OF DRIZZLE	SNOW E/OF SLEET	FAIL	% OBS WITH PRECIP	FOG	SMOKE E/OF HAZE	BLOWING SNOW	DUST E/OF SAND	% OBS W/CBST TO VISION	TOTAL OBS
07-02		15.2		.1		15.3	25.7	3.1			18.3	900
03-05	.1	16.0		.1		16.1	29.2	4.1			31.8	900
06-08	.1	12.7		.3		13.0	35.6	6.3			39.6	900
09-11		12.9		.9		13.3	24.7	13.7			35.8	900
12-14		11.2		.4		11.6	13.8	14.2			26.0	900
15-17	.2	14.3				14.3	14.6	14.7			27.9	900
18-20		13.4		.2		13.6	17.3	8.3			24.6	900
21-23	.2	15.0		.3		15.3	22.2	5.0			25.9	900
TOTALS	.1	13.6		.3		14.1	22.9	8.7			30.0	7200

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: DEC

HOURS (LST)	TSTMS	RAIN E/OF DRIZZLE	FRZING RAIN E/OF DRIZZLE	SNOW E/OF SLEET	FAIL	% OBS WITH PRECIP	FOG	SMOKE E/OF HAZE	BLOWING SNOW	DUST E/OF SAND	% OBS W/CBST TO VISION	TOTAL OBS
00-02	.1	11.2		2.8		13.4	20.2	4.0	.3		13.0	930
03-05		11.5	.1	2.6		14.1	22.8	3.8	.4		15.3	930
06-08		11.0	.6	2.7		14.1	26.1	5.5	.9		32.0	930
09-11	.1	12.4	.3	3.2		14.6	21.3	10.8	.5		30.8	930
12-14		11.6		2.0		13.6	13.1	4.6	.1		21.4	930
15-17		12.9		1.4		13.8	14.2	6.5			20.5	930
18-20		11.7		2.2		13.7	17.7	3.4			20.2	930
21-23		12.5	.2	3.0		15.3	18.2	3.3			21.0	930
TOTALS	.1	11.7	.2	2.5		14.1	19.5	5.7	.3		24.3	7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-87  
MONTH: ALL

FOURS (LST)	TSTMS	RAIN L/DRIZZLE	FRZING RAIN L/DRIZZLE	SNOW L/SLEET	FAIL	% OBS WITH PRECIP	FOG	SMOKE L/HAZE	BLOWING SNOW	DUST L/SAND	% OBS W/CBST TO VISION	TOTAL OBS
JAN ALL	.0	7.9	.8	7.6		15.7	16.7	6.3	1.1		23.0	7440
FEB	.1	9.9	.3	5.8	.0	14.6	18.0	8.2	1.1		26.4	6767
MAR	.2	12.2	.0	3.9		15.4	13.4	6.3	.2		19.0	7440
APR	.4	14.4		1.2		15.4	18.6	6.8	.1		24.1	7200
MAY	1.0	13.1				13.1	21.1	13.6			32.4	7440
JUN	1.4	9.0				8.0	18.0	24.4			39.1	7200
JUL	1.7	6.1				6.1	21.5	26.1			50.9	7435
AUG	1.8	6.3				6.3	24.7	28.0			54.3	7440
SEP	.6	7.9				7.9	22.3	22.7			40.1	7200
OCT	.2	9.3		.1		9.4	21.4	12.1			30.6	7440
NOV	.1	13.0		.3		14.1	22.9	8.7			30.0	7200
DEC	.0	11.7	.2	2.5		14.1	19.5	5.7	.3		24.3	7440
TOTALS	.6	10.0	.1	1.8	.0	11.7	19.8	15.7	.2		32.9	87642

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM DAILY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 49-87  
MONTH: ALL

MONTH	ISMS	RAIN L/DR OR DRIZZLE	FRZING HAIL L/DR OR DRIZZLE	SNOW L/DR OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE L/DR HAIL	FLOWING SNOW	DUST L/DR SAND	% OBS W/OBST TO VISION	TOTAL OBS
JAN	.8	33.3	5.3	30.0	.2	53.3	42.1	41.8	4.2		61.1	1209
FEB	1.3	34.5	2.8	27.2	.1	50.4	43.6	40.6	4.2		59.1	1101
MAR	3.6	43.9	.7	19.9	.2	53.9	43.6	75.7	2.2		55.8	1209
APR	8.1	52.6	.3	4.6	.2	53.7	45.6	78.5	.2		56.4	1170
MAY	13.5	51.3		.2	.2	51.3	54.3	48.7		.1	66.2	1209
JUN	18.2	45.8			.9	45.8	58.4	61.5			73.2	1170
JUL	22.2	43.5			.3	43.5	64.3	71.7		.1	79.4	1209
AUG	18.8	43.1			.3	43.1	69.7	75.9			61.2	1178
SEP	9.3	78.5			.1	78.5	62.4	60.1			71.9	1139
OCT	3.3	30.2		.8		70.6	56.1	51.4		.1	66.3	1178
NOV	7.0	41.6		6.0	.1	44.4	47.8	43.4	.1		61.3	1140
DEC	.2	79.7	2.9	23.5		50.3	45.5	70.8	1.4	.1	59.8	1178
TOTALS	1.4	42.0	1.0	9.1	.2	46.8	52.7	50.5	1.0	.0	66.0	14090

PPPPPPPP  
PPPPPPPP  
PP PP  
PP PP  
PPPPPPPP  
PPPPPPPP  
PP  
PP  
PP  
PP  
PP

AAAAAA  
AAAAAAA  
AA AA  
AA AA  
AA AA  
AAAAAAA  
AAAAAAA  
AA AA  
AA AA  
AA AA  
AA AA

RRRRRRR  
RRRRRRR  
RR RR  
RR RR  
RRRRRRR  
RRRRRRR  
RR RR  
RR RR  
RR RR  
RR RR  
RR RR

TTTTTTTT  
TTTTTTTT  
TT  
TT  
TT  
TT  
TT  
TT  
TT  
TT  
TT

BBBBBBBB  
BBBBBBBB  
BB BB  
BB BB  
BBBBBBBB  
BBBBBBBB  
BB BB  
BB BB  
BBBBBBBB  
BBBBBBBB  
BBBBBBBB

#### PRECIPITATION, SNOWFALL AND SNOW DEPTH SUMMARIES

##### PERCENTAGE FREQUENCY OF VARIOUS DAILY AMOUNTS OF PRECIPITATION (SNOWFALL AND SNOW DEPTH) SUMMARIES:

THESE SUMMARIES DERIVE FROM SUMMARY OF DAY DATA.

DATA IS SUMMARIZED MONTHLY AND ANNUALLY WITH ALL YEARS COMBINED.

DISPLAYED ARE: PERCENT OF DAYS WITH MEASURABLE AMOUNTS, A PERCENT OF DAYS WITH NO AMOUNTS, TRACES, GIVEN AMOUNTS, MEANS, GREATEST AMOUNTS AND LEAST AMOUNTS (THE STATISTICAL VALUES ARE NOT INCLUDED IN THE SNOW DEPTH SUMMARY BECAUSE OF THEIR DOUBTFUL AND LIMITED VALUE).

ALSO PROVIDED ARE THE OBSERVATION COUNTS.

A VALUE OF ".0" IN THESE TABLES INDICATES LESS THAN .05% WHICH USUALLY INDICATES ONLY ONE OCCURRENCE.

##### EXTREME DAILY AMOUNTS OF PRECIPITATION (SNOWFALL AND SNOW DEPTH) SUMMARIES

DATA DERIVED FROM SUMMARY OF DAY DATA

PRESENTED ARE THE EXTREME DAILY AMOUNTS OF PRECIPITATION, SNOWFALL AND SNOW DEPTH BY INDIVIDUAL MONTH AND YEAR.

ALSO PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATIONS COUNTS.

AN ASTERISK "\*" PRINTED IN THE TABLES INDICATES THAT THE EXTREME VALUE FOR THAT YEAR AND MONTH DERIVES FROM AN INCOMPLETE MONTH (AT LEAST ONE DAY OF THE MONTH IS MISSING).

WHEN A MONTH HAS VALID OBSERVATIONS REPORTED BUT NO OCCURRENCES, ZEROS ARE DISPLAYED IN THE TABLES:

EXTREME DAILY PRECIPITATION: ".00" EQUALS NONE FOR THE MONTH (HUNDREDTHS)

EXTREME DAILY SNOWFALL: ".0" EQUALS NONE FOR THE MONTH (TENTHS)

EXTREME DAILY SNOW DEPTH: "0" EQUALS NONE FOR THE MONTH (WHOLE INCHES)

##### TOTAL MONTHLY AMOUNTS OF PRECIPITATION AND SNOWFALL SUMMARIES

DATA DERIVED FROM SUMMARY OF DAY DATA.

DATA PRESENTED BY YEAR AND MONTH.

ALSO PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

AN ASTERISK "\*" IN THE TABLES INDICATES THAT ONE OR MORE DAYS WERE MISSING FOR THE MONTH.

NO OCCURRENCES FOR THE MONTH ARE INDICATED BY ZEROS.

IF THE AMOUNT IS A TRACE, THEN "TRACE" IS PRINTED IN THE TABLES.

STATISTICAL VALUES DO NOT INCLUDE MEASUREMENTS FROM INCOMPLETE MONTHS.

GLOBAL CLIMATOLOGY BRANCH  
USAF/CLAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 42-46, 48-87

AMOUNTS IN INCHES

MONTH	NONE	TRACE	.01	.02	.05	.11	.26	.51	1.01	2.01	5.01	10.01	OVER	% DAYS WITH MEAS AMTS	TOTAL OBS	MONTHLY AMOUNTS		
																MEAN	GREATEST	LEA
JAN	50.3	15.5	2.4	7.4	4.1	7.5	6.5	4.7	1.7					74.2	1333	3.14	9.19	.3
FEB	49.9	16.3	2.4	6.7	4.1	7.2	6.4	4.9	1.6					33.3	1214	2.85	5.73	.7
MAR	46.2	18.5	2.9	5.6	4.4	7.9	6.1	5.5	2.6					35.3	1332	2.87	7.50	1.1
APR	46.4	17.5	3.0	7.1	4.9	6.2	6.1	5.3	2.4	.7				36.0	1260	2.74	8.19	.7
MAY	48.8	14.4	3.1	7.7	4.7	8.8	5.4	4.5	2.5	.7				36.7	1302	3.48	9.17	.2
JUN	54.2	13.3	3.0	6.6	7.1	6.3	5.6	4.8	2.9	.2				32.4	1259	3.63	8.34	.0
JUL	56.5	13.4	2.4	6.0	3.1	6.2	4.4	3.6	4.1	.8				30.6	1302	4.41	10.16	.7
AUG	57.6	13.7	3.1	4.2	2.7	5.2	4.6	4.8	2.9	.7	.2			28.7	1293	4.67	15.01	.7
SEP	60.5	12.1	1.6	4.6	3.7	5.6	4.0	4.2	7.4	.5				27.0	1249	3.57	9.35	.8
OCT	63.7	12.0	2.1	4.6	2.9	4.4	4.1	3.5	2.7	.4				24.5	1333	3.15	6.85	.0
NOV	54.7	12.1	1.9	6.9	7.5	6.8	5.3	5.4	2.6	.7				33.2	1286	3.69	8.83	.2
DEC	50.3	16.4	4.6	6.4	7.7	7.6	5.5	5.0	3.2	.1				33.3	1333	3.69	7.58	.1
ANN	53.2	14.5	2.5	6.1	5.6	6.6	5.3	4.9	2.7	.3	.3			32.1	15576	41.89		

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 42-46, 48-87

YEAR	24 HOUR AMOUNTS IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
42									.94	1.14	1.19	1.20	
43	1.31	.56	1.27	1.22	.97	1.68	4.65	.36	1.21	1.58	.70	1.31	4.65
44	.98	.28	1.61	1.64	.35	1.32	.45	2.95	4.18	1.57	2.59	.63	4.18
45	.77	.54	.85	.55	.84	1.27	2.33	.73	1.01	.73	2.24	1.54	2.33
46	.47	.77	1.06										
48								*1.26	.63	.75	.85	1.97	
49	1.13	1.99	1.00	.78	.91	.65	1.02	2.08	.97	.63	.64	.38	2.08
50	.67	.45	1.07	.75	.85	.61	2.03	1.35	1.12	2.04	2.43	.70	2.43
51	.70	1.15	1.61	.76	1.25	1.68	.42	.65	.37	2.00	1.15	1.23	2.00
52	.58	1.01	1.62	2.59	1.59	1.66	2.77	2.18	2.23	.63	1.05	1.07	2.77
53	.91	1.62	1.93	.61	1.15	1.11	1.65	2.01	.75	1.63	.90	1.36	2.01
54	.59	.65	.89	1.74	1.29	.32	.68	2.43	2.86	.86	1.96	1.01	2.86
55	.21	.79	1.56	.73	.70	.95	.45	2.77	.71	3.21	.59	.12	3.21
56	.71	1.61	1.66	1.29	.74	.73	4.15	1.31	2.29	1.76	1.20	1.78	4.15
57	.23	.60	1.04	1.02	.36	.63	1.76	.74	.85	1.42	.88	2.50	2.50
58	1.94	2.41	2.25	1.34	1.10	.81	2.56	3.11	1.40	1.71	1.32	.89	3.11
59	.58	.64	1.98	.87	1.26	2.24	1.59	1.56	1.10	.89	1.06	1.06	2.24
60	.84	1.30	.44	.59	1.17	.69	3.87	.92	3.17	1.00	.71	.75	3.87
61	.66	.64	1.23	1.57	1.21	.62	1.42	1.08	1.20	1.36	.56	.79	1.57
62	1.26	.57	1.06	1.17	.96	1.95	1.70	3.58	1.79	.48	1.73	.96	3.58
63	.48	.92	.24	.83	1.02	.45	.59	.99	1.77	.07	*1.23	1.06	1.77
64	.80	.44	.36	.97	.10	.83	2.23	.32	1.17	.96	.89	1.51	2.23
65	1.44	.73	.69	.56	.37	.54	2.58	.68	.61	.53	.45	1.04	2.58
66	.74	2.14	.44	.85	1.29	.77	1.65	.51	3.76	3.01	.90	.96	3.76
67	.71	.61	1.23	1.27	1.52	1.33	1.32	2.37	.64	.72	.70	1.97	2.37
68	2.19	.71	*1.94	1.26	2.75	3.45	1.99	.94	.60	1.39	2.13	1.31	3.45
69	.70	.96	.78	.77	1.04	1.22	1.93	.56	3.27	.58	.75	1.54	3.27
70	.50	.62	.10	2.00	.86	1.68	1.13	3.18	.67	1.10	.97	.71	3.18
71	.63	1.43	.78	1.32	1.86	*1.17	1.07	9.61	1.68	1.85	1.63	1.34	9.61
72	.75	1.10	.73	.60	1.65	1.83	1.83	1.90	.73	2.33	3.40	.82	3.40

NOTE \* (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH  
USAF/CLTAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 42-46, 48-87

24 HOUR AMOUNTS IN INCHES													
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
73	1.27	1.54	1.60	1.05	.83	1.06	1.57	1.26	1.36	2.77	.47	2.66	2.77
74	.85	.36	1.47	1.04	.62	.97	1.00	3.29	1.46	1.49	.74	2.41	3.29
75	1.14	.84	.92	1.26	1.14	2.33	1.73	1.19	2.11	2.51	.83	.91	2.51
76	1.62	.91	.44	.74	.97	4.06	.23	2.22	.77	3.32	.15	1.56	4.06
77	1.28	1.60	1.98	.82	.48	1.45	1.50	2.00	1.43	1.67	2.98	1.35	2.98
78	1.59	1.81	1.66	.76	2.91	.67	2.79	7.39	.62	.44	.57	1.87	7.39
79	2.23	1.23	2.16	.93	1.11	1.22	1.38	2.29	1.83	1.21	1.15	.63	2.29
80	.72	.91	1.33	2.10	.52	.87	1.43	1.33	1.15	2.28	1.45	.30	2.28
81	.18	1.29	.57	.89	1.55	2.01	1.71	4.39	1.17	.79	.50	1.10	4.39
82	1.61	.95	.74	1.04	2.84	2.31	3.13	.50	.71	1.24	1.20	.72	3.13
83	1.46	1.39	1.46	2.26	1.57	1.88	.55	1.11	1.62	.96	2.16	1.44	2.26
84	.36	1.55	2.11	1.90	2.27	3.02	1.01	1.13	.84	.82	1.01	.56	3.02
85	.38	.97	.53	.39	1.75	.67	1.33	.87	*2.98	1.12	1.77	.39	*2.98
86	2.22	.98	.96	3.65	.43	.81	2.05	1.13	1.24	.62	1.15	1.29	3.65
87	1.26	.80	.92	2.31	1.03	1.74	1.73						
MEAN	.967	1.223	1.211	1.227	1.173	1.358	1.761	1.973	1.424	1.375	1.230	1.184	3.090
S.D.	.537	.501	.543	.656	.648	.837	1.001	1.807	.997	.784	.731	.571	1.050
TOTAL OBS	1733	1214	1332	1260	1302	1759	1702	1293	1789	1333	1286	1733	15536

NOTE \* (BASED ON LESS THAN FULL MONTHS)

CLIMATE CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

MONTHLY PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 704396 STATION NAME: MCQUIRK AFB NJ

PERIOD OF RECORD: 42-46, 48-87

TOTAL MONTHLY PRECIPITATION IN INCHES													
-M-O-N-T-H-S-													
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
42									2.01	3.74	4.22	2.83	
43	2.77	1.77	2.61	2.50	3.96	4.37	7.23	1.25	2.42	6.47	2.36	1.44	38.79
44	2.99	1.22	5.18	6.09	1.21	4.54	.96	3.73	9.35	2.48	6.99	2.55	47.33
45	2.76	3.23	2.21	2.35	2.92	4.69	9.17	2.76	3.16	2.17	5.55	5.19	45.46
46	1.65	2.10	2.98										
47								*3.16	1.27	1.80	3.93	6.34	
48	5.35	5.11	2.20	3.30	3.14	.05	2.71	3.63	2.76	1.98	1.29	2.07	34.12
49	1.87	1.74	3.81	2.16	2.84	1.67	3.07	4.43	2.07	2.95	3.31	2.64	33.38
50	2.97	2.79	4.17	2.53	5.04	4.05	.93	1.06	.82	3.84	4.96	5.29	38.45
51	4.25	2.74	5.33	6.54	4.34	2.61	5.55	7.59	2.98	.66	2.17	3.61	47.41
52	4.30	2.21	6.02	5.10	4.79	2.05	3.22	4.82	1.43	3.93	2.92	3.57	44.26
53	1.64	1.55	4.20	5.07	4.39	.61	1.29	6.03	5.25	2.65	4.96	3.55	41.39
54	.45	2.43	4.71	2.39	1.72	3.53	.71	9.88	2.43	6.40	1.27	.16	36.26
55	2.95	5.17	5.00	3.09	2.49	2.28	10.16	3.57	4.67	5.33	2.85	4.96	53.29
56	1.19	2.66	4.38	4.95	.99	1.92	4.02	.94	2.95	2.25	4.32	7.15	37.74
57	5.24	5.72	5.57	5.37	4.45	3.17	8.26	10.72	3.51	6.21	2.97	1.59	67.80
58	2.49	1.42	5.44	2.65	1.94	3.83	7.03	5.14	2.08	2.56	3.82	4.17	42.97
59	3.08	5.11	1.67	2.06	3.74	2.30	7.24	3.92	7.08	1.95	2.06	2.92	43.33
60	3.16	3.72	5.24	3.65	2.88	4.15	4.77	3.71	2.86	2.85	1.84	2.82	40.95
61	2.35	2.72	3.96	3.42	1.57	5.22	3.11	8.21	3.77	1.96	5.89	2.40	44.76
62	2.15	2.11	3.58	1.17	1.89	1.15	1.45	2.47	5.20	.08	*4.61	1.98	*27.73
63	3.52	2.69	1.14	5.44	.23	1.55	4.15	.78	3.07	2.00	1.58	4.79	30.94
64	2.97	2.77	3.73	2.42	1.12	1.74	5.15	2.10	1.57	1.28	1.23	1.79	27.23
65	2.68	4.74	1.27	3.00	4.28	1.61	2.72	1.55	8.58	4.91	2.18	3.08	40.30
66	1.26	2.44	5.08	2.55	4.01	2.23	5.80	9.23	2.69	1.83	1.40	6.58	45.64
67	3.24	.73	*5.57	1.79	5.83	5.95	5.38	2.17	.57	2.65	5.75	2.92	*42.89
68	2.31	1.16	2.57	2.57	2.12	4.86	8.41	2.29	4.25	2.11	3.03	7.59	44.26
69	1.81	3.51	4.56	6.25	3.12	5.19	3.43	5.12	1.46	1.87	4.48	2.42	42.77
70	2.21	4.74	3.12	2.37	4.25	*2.35	3.74	15.01	5.71	3.83	5.13	2.20	*54.86
71	3.11	4.77	3.17	3.09	5.75	5.57	3.09	2.56	2.62	6.85	8.83	5.22	54.63

NOTE \* (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH  
JSAFETAC  
AIR WEATHER SERVICE/MAC

MONTHLY PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 774996 STATION NAME: MCGLIRE AFB NJ

PERIOD OF RECORD: 42-46, 48-87

TOTAL MONTHLY PRECIPITATION IN INCHES													
	-R-O-N-T-H-S-												
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
73	3.51	2.73	4.23	6.24	3.73	4.53	3.89	2.13	4.90	3.37	1.18	7.56	47.95
74	2.88	1.93	3.14	2.86	3.02	3.04	1.58	7.16	5.37	2.71	1.30	6.21	43.20
75	5.45	2.95	3.53	3.88	4.32	8.34	6.37	2.42	8.01	5.19	2.88	2.74	56.08
76	4.24	2.29	1.56	1.27	2.53	5.51	1.29	4.12	1.66	6.76	.24	2.50	33.97
77	2.57	1.90	3.91	3.43	1.10	3.42	2.52	9.30	4.66	4.17	8.60	6.14	51.62
78	7.75	2.72	3.83	1.85	6.49	4.02	5.61	13.26	1.60	1.25	2.38	5.55	56.31
79	9.19	5.18	4.15	3.04	4.93	4.79	3.16	6.99	5.62	3.28	4.14	2.20	56.67
80	2.35	.79	7.22	4.67	2.32	2.33	2.82	2.16	2.52	3.71	3.67	.78	35.47
81	.31	4.68	1.30	4.44	4.05	4.98	2.69	5.96	3.01	3.65	1.61	4.14	40.82
82	4.46	1.97	2.37	5.21	4.37	6.21	4.57	2.04	3.11	1.58	3.29	1.99	41.17
83	2.83	2.66	7.50	9.19	6.67	5.02	1.43	3.18	3.73	4.02	7.84	6.41	59.48
84	1.80	3.91	7.37	5.57	9.17	5.66	5.02	1.75	2.28	3.24	2.96	2.45	51.08
85	1.25	2.46	2.11	.74	3.97	2.97	4.90	3.25	*4.64	1.59	7.24	.99	*36.11
86	4.21	2.34	2.05	6.34	.68	1.30	7.66	3.14	4.07	1.80	5.97	5.36	45.42
87	5.35	1.64	2.61	5.69	3.83	5.56	8.55						
MEAN	3.140	2.952	3.865	3.742	3.480	3.637	4.414	4.670	3.667	3.154	3.690	3.692	44.263
S.D.	1.764	1.274	1.652	1.748	1.811	1.768	2.482	3.404	2.740	1.681	2.138	1.556	8.242
TOTAL OBS	133	1214	1332	1260	1302	1259	1302	1293	1289	1333	1286	1333	15536

NOTE \* (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH  
USAF/CLTAC  
ATP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 46, 46-87

MONTH	AMOUNTS IN INCHES													% DAYS WITH MEAS- URES	TOTAL OBS	MONTHLY AMOUNTS		
	NONE	TRACE	0.1 TO 0.4	0.5 TO 1.4	1.5 TO 2.4	2.5 TO 3.4	3.5 TO 4.4	4.5 TO 5.4	5.5 TO 10.4	10.5 TO 15.4	15.5 TO 25.4	25.5 TO 50.4	OVER 50.4			MEAN	GREATEST	LEA
JAN	70.4	17.7	3.7	3.4	2.8	.8	.7	.6	.5	.1				12.6	1240	6.7	18.4	TRACE
FEB	72.9	14.9	3.7	3.8	1.2	1.7	.8	.4	.4	.3	.1			12.2	1128	7.0	27.2	TRACE
MAR	30.5	12.1	2.3	2.2	1.3	.2	.2	.6	.3		.1			7.3	1239	4.3	26.8	.0
APR	95.6	3.5	.2	.4	.1	.1	.1	.1						.9	1170	.5	9.4	.0
MAY	99.8	.2													1209	TRACE	TRACE	.0
JUN	100.0														1169	.0	.0	.0
JUL	100.0														1209	.0	.0	.0
AUG	100.0														1169	.0	.0	.0
SEP	100.0														1169	.0	.0	.0
OCT	99.2	.7		.1										.1	1209	TRACE	1.0	.0
NOV	93.5	5.4	.2	.1	.1	.1		.1	.2					.7	1166	.7	9.6	.0
DEC	79.6	14.1	2.4	1.8	.5	.5	.2	.5	.3		.1			6.4	1208	4.0	18.3	.0
ANN	71.0	5.7	1.0	1.5	.5	.2	.2	.2	.1	.2	.0			3.3	14316	23.2		

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOWFALL  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 46, 48-87

YEAR	24 HOUR AMOUNTS IN INCHES -M-O-N-T-H-S-												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
46	1.0	1.7	.0										
48								*.0	.0	.0	.0	6.7	
49	5.5	5.7	.6	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	5.7
50	.2	.1	.4	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	.4
51	.6	1.4	.5	.0	.0	.0	.0	.0	.0	.0	TRACE	4.4	4.4
52	1.6	TRACE	7.2	.0	.0	.0	.0	.0	.0	TRACE	2.0	1.0	7.2
53	3.6	TRACE	6.6	TRACE	.0	.0	.0	.0	.0	.0	6.7	TRACE	6.8
54	6.4	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	6.4
55	2.0	4.4	2.3	TRACE	.0	.0	.0	.0	.0	.0	3.0	1.0	4.4
56	3.0	1.0	6.3	1.2	.0	.0	.0	.0	.0	.0	.0	TRACE	6.3
57	1.7	2.0	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	5.0	5.0
58	2.2	9.7	20.1	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.9	20.1
59	2.8	TRACE	.3	.2	.0	.0	.0	.0	.0	.0	.3	5.5	5.5
60	1.3	1.6	2.4	TRACE	.0	.0	.0	.0	.0	.0	.0	6.7	6.7
61	6.9	3.7	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	2.0	6.9
62	.4	3.7	7.9	TRACE	.0	.0	.0	.0	.0	1.0	TRACE	2.1	7.9
63	3.5	.9	.3	TRACE	TRACE	.0	.0	.0	.0	.0	*TRACE	4.9	4.8
64	6.8	4.4	2.5	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	6.8
65	14.5	.9	4.2	2.9	.0	.0	.0	.0	.0	TRACE	TRACE	.0	14.5
66	8.1	4.2	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	7.1	8.1
67	1.0	2.6	3.0	.2	.0	.0	.0	.0	.0	.0	8.6	5.3	9.6
68	.3	3.0	44.0	.0	.0	.0	.0	.0	.0	.0	.8	6.0	6.0
69	1.5	6.0	6.8	.0	.0	.0	.0	.0	.0	.0	TRACE	2.2	6.8
70	4.6	2.5	1.6	.0	.0	.0	.0	.0	.0	.0	.0	2.1	4.6
71	4.6	.5	1.1	5.8	.0	.0	.0	.0	.0	.0	TRACE	4.2	5.8
72	3.2	3.0	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE	3.1
73	TRACE	8.6	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	1.0	1.0
74	4.5	7.8	.1	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	7.8
75	4.6	2.7	1.7	TRACE	.0	.0	.0	.0	.1	.0	TRACE	1.3	4.6
76	2.0	2.5	4.8	TRACE	.0	.0	.0	.0	.0	.0	TRACE	2.0	4.8

NOTE \* (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH  
 LSAFETAC  
 AIR WEATHER SERVICE/HAC

EXTREME VALUES OF SNOWFALL  
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 46, 48-87

24 HOUR AMOUNTS IN INCHES													
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
77	4.4	.5	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.3	.3	4.4
78	3.0	14.1	6.0	TRACE	.0	.0	.0	.0	.0	.0	4.5	.5	16.1
79	4.7	11.6	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.0	6.4	11.6
80	3.8	.2	7.5	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.9	3.8
81	3.0	TRACE	4.8	.0	.0	.0	.0	.0	.0	.0	TRACE	3.3	4.8
82	6.8	.8	.1	.9	.0	.0	.0	.0	.0	.0	.0	.0	6.8
83	.2	12.9	TRACE	2.0	.0	.0	.0	.0	.0	.0	TRACE	.3	12.9
84	3.6	TRACE	6.3	TRACE	.0	.0	.0	.0	.0	.0	TRACE	1.4	6.3
85	7.8	3.1	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	16.0	16.0
86	.7	3.7	TRACE	1.1	.0	.0	.0	.0	.0	.0	.0	.1	3.7
87	4.0	13.3	1.3	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	
MEAN	3.69	3.75	2.04	.36	TRACE	.00	.00	.00	.00	.03	.69	2.79	7.24
S.D.	3.124	4.357	3.857	1.079	.000	.000	.000	.000	.000	.160	1.909	3.546	4.143
TOTAL OBS	1240	1128	1239	1170	1209	1169	1209	1200	1169	1209	1166	1208	14316

NOTE \* (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 774796 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 46, 48-87

YEAR	TOTAL MONTHLY SNOWFALL IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	-M-O-N-T-H-S-		AUG	SEP	OCT	NOV	DEC	
						JUN	JUL						
46	1.1	1.7	.0										
48								*.0	.0	.0	.0	7.2	
49	0.2	8.7	.6	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	15.5
50	.2	.1	.4	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	.7
51	1.1	1.4	.5	.0	.0	.0	.0	.0	.0	.0	TRACE	4.4	7.8
52	3.6	TRACE	7.5	.0	.0	.0	.0	.0	.0	TRACE	2.0	1.0	14.1
53	7.0	TRACE	6.8	TRACE	.0	.0	.0	.0	.0	.0	6.7	TRACE	21.4
54	11.0	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	11.0
55	2.1	6.0	2.3	TRACE	.0	.0	.0	.0	.0	.0	3.0	1.2	14.6
56	7.8	1.3	16.5	2.4	.0	.0	.0	.0	.0	.0	.0	TRACE	26.0
57	2.2	2.7	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	5.6	15.5
58	3.1	13.5	26.8	TRACE	.0	.0	.0	.0	.0	.0	TRACE	1.9	50.4
59	5.5	TRACE	.5	.2	.0	.0	.0	.0	.0	.0	.3	11.0	17.5
60	2.5	3.9	8.1	TRACE	.0	.0	.0	.0	.0	.0	.0	13.1	27.6
61	13.4	10.3	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	6.8	35.5
62	1.1	9.5	10.5	TRACE	.0	.0	.0	.0	.0	.0	TRACE	2.7	25.8
63	5.3	1.9	.5	TRACE	TRACE	.0	.0	.0	.0	.0	*TRACE	7.7	*15.4
64	6.8	13.3	5.1	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	25.2
65	13.4	2.4	9.9	2.9	.0	.0	.0	.0	.0	TRACE	TRACE	.0	32.6
66	13.4	11.4	.2	.0	.0	.0	.0	.0	.0	.0	TRACE	14.4	44.4
67	1.0	22.4	9.6	.2	.0	.0	.0	.0	.0	.0	9.6	5.3	47.1
68	.7	4.1	*6.4	.0	.0	.0	.0	.0	.0	.0	.8	6.9	*20.9
69	7.0	10.4	15.0	.0	.0	.0	.0	.0	.0	.0	TRACE	3.6	32.0
70	13.4	3.7	2.7	.0	.0	.0	.0	.0	.0	.0	.0	2.9	22.7
71	3.7	.7	3.0	9.4	.0	*.0	.0	.0	.0	.0	TRACE	*.2	*22.0
72	4.0	9.2	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE	13.2
73	TRACE	*.6	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	1.7	*2.3
74	5.6	15.5	.1	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	21.2
75	5.8	6.6	2.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.2	17.6
76	5.4	4.6	5.2	TRACE	.0	.0	.0	.0	.0	.0	TRACE	5.3	20.5

NOTE \* (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 704096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 46, 48-87

TOTAL MONTHLY SNOWFALL IN INCHES													
YEAR	-M-O-N-T-H-S-												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
77	11.7	.5	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.3	.3	12.8
78	17.2	27.2	17.6	TRACE	.0	.0	.0	.0	.0	.0	4.5	.5	62.0
79	11.5	23.2	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.0	6.8	38.5
80	4.0	.2	6.7	TRACE	.0	.0	.0	.0	.0	.0	TRACE	1.3	12.2
81	4.8	TRACE	4.8	.0	.0	.0	.0	.0	.0	.0	TRACE	3.4	13.0
82	15.0	.8	.1	.9	.0	.0	.0	.0	.0	.0	.0	1.6	22.4
83	.2	17.3	TRACE	2.5	.0	.0	.0	.0	.0	.0	TRACE	.3	20.3
84	17.1	TRACE	7.3	TRACE	.0	.0	.0	.0	.0	.0	TRACE	1.4	20.8
85	9.1	4.5	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	18.3	*32.0
86	1.5	13.7	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.1	13.3
87	12.9	19.5	1.5	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	
MEAN	6.73	6.97	4.30	.57	TRACE	.00	.00	.00	.00	.03	.69	3.97	23.55
S.D.	5.534	7.435	5.735	1.630	.000	.000	.000	.000	.000	.160	1.909	4.813	13.296
TOTAL OBS	1240	1123	1239	1170	1209	1169	1209	1200	1169	1209	1166	1208	14316

NOTE \* BASED ON LESS THAN FULL MONTHS

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAG  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 779396 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 42-46, 46-47

AMOUNTS IN INCHES																		
MONTH	NONE	TRACE	1	2	3	4	7	13	25	37	49	61	OVER	% DAYS WITH MEAS AMTS	TOTAL OBS	MONTHLY AMOUNTS		
						TO 6	TO 12	TO 24	TO 36	TO 48	TO 60	TO 120	120			MEAN	GREATEST	LEAST
JAN	67.2	9.2	6.7	5.5	3.3	4.4	2.9	.7						23.5	1333			
FEB	69.7	11.3	5.9	3.8	3.7	4.7	2.1	1.3						20.3	1214			
MAR	87.2	4.4	1.9	1.5	1.1	2.3	1.4	.1						8.3	1333			
APR	98.7	.7	.3	.2	.1	.1								.6	1260			
MAY	100.0															1332		
JUN	100.0															1260		
JUL	100.0															1302		
AUG	100.0															1293		
SEP	100.0															1289		
OCT	99.9		.1											.1	1333			
NOV	99.3	.5	.2	.1										.2	1246			
DEC	82.4	7.7	3.1	2.0	1.7	2.7	1.4							10.3	1333			
ANN	92.0	2.7	1.5	1.1	.8	1.1	.6	.2						5.2	15538			

GLOBAL CLIMATOLOGY BRANCH  
USAFETMC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 72490 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 42-46, 48-87

YEAR	DAILY SNOW DEPTH IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
42													
43	5	2	1		3	3	0	0	2	0	0	2	5
44	2	2	5	TRACE	3	3	0	0	3	0	0	1	5
45	6	5	0	1	0	3	0	0	3	0	3	7	7
46	TRACE	TRACE	0										
48													
49	3	3	6	0	3	0	0	*0	0	0	0	6	6
50	TRACE	TRACE	TRACE	TRACE	3	3	0	0	0	0	0	TRACE	TRACE
51	TRACE	TRACE	TRACE	3	3	0	0	0	3	0	0	3	2
52	1	TRACE	9	0	0	0	0	0	3	0	2	TRACE	9
53	4	0	6	0	0	0	0	0	3	0	1	0	6
54	10	TRACE	0	0	0	0	0	3	3	0	0	0	10
55	1	4	1	0	3	3	0	0	0	0	TRACE	1	4
56	5	1	11	1	0	0	0	0	3	0	0	7	11
57	2	2	TRACE	0	0	3	0	0	3	0	0	6	6
58	2	14	14	TRACE	0	3	0	0	3	0	0	1	16
59	5	TRACE	TRACE	TRACE	0	0	0	0	3	0	TRACE	5	5
60	1	1	8	0	0	0	0	3	3	0	0	10	10
61	16	11	0	0	3	0	0	0	3	0	3	5	16
62	TRACE	4	8	0	3	3	0	0	3	1	0	TRACE	8
63	3	3	TRACE	0	3	3	0	0	3	0	*0	5	5
64	7	7	4	0	3	3	0	0	3	0	0	2	7
65	12	1	4	3	3	3	3	0	3	0	0	0	10
66	13	14	0	0	0	3	3	0	3	0	0	11	14
67	1	13	3	0	3	3	0	0	3	0	0	9	13
68	3	1	4	3	3	0	0	3	3	0	0	8	8
69	3	6	10	0	3	0	0	0	3	0	3	1	10
70	7	3	2	0	3	3	0	0	3	0	0	1	7
71	3	TRACE	1	4	0	3	0	0	3	0	0	TRACE	4
72	4	3	TRACE	TRACE	3	3	0	0	3	0	TRACE	TRACE	4

NOTE \* BASED ON LESS THAN FULL MONTHS

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 724956 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 42-46, 48-87

YEAR	DAILY SNOW DEPTH IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
73	TRACE	TRACE	0	0	0	0	0	0	0	0	0	2	2
74	3	7	TRACE	TRACE	0	0	0	0	0	0	TRACE	0	7
75	3	2	1	0	0	0	0	0	0	0	0	2	3
76	2	2	5	0	0	0	0	0	0	0	0	4	5
77	5	0	0	0	0	0	0	0	0	0	0	TRACE	5
78	9	21	7	0	0	0	0	0	0	0	1	TRACE	21
79	6	15	0	0	0	0	0	0	0	0	0	7	15
80	5	TRACE	4	1	0	0	0	0	0	0	0	1	5
81	3	0	5	0	0	0	0	0	0	0	0	2	5
82	11	1	TRACE	1	0	0	0	0	0	0	0	5	11
83	TRACE	16	0	0	0	0	0	0	0	0	0	TRACE	16
84	7	0	8	0	0	0	0	0	0	0	0	TRACE	8
85	3	3	0	0	0	0	0	0	0	0	0	2	3
86	1	4	0	1	0	0	0	0	0	0	0	TRACE	4
87	9	13	3	0	0	0	0	0	0	0	0	TRACE	4
MEAN	4.3	4.4	3.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.5	7.9
SD	3.749	5.546	3.726	0.941	0.000	0.000	0.000	0.000	0.000	0.152	0.370	3.097	4.617
TOTAL OBS	1733	1214	1333	1260	1302	1260	1332	1293	1289	1333	1286	1333	15538

NOTE \* (BASED ON LESS THAN FULL MONTHS)

PPPPPPPP  
PPPPPPPP  
PP PP  
PP PP  
PPPPPPPP  
PPPPPPPP  
PP  
PP  
PP  
PP

AAAAAA  
AAAAAAA  
AA AA  
AA AA  
AA AA  
AAAAAAA  
AAAAAAA  
AA AA  
AA AA  
AA AA  
AA AA

RRRRRRR  
RRRRRRR  
RR RR  
RR RR  
RRRRRRR  
RRRRRRR  
RR RR  
RR RR  
RR RR  
RR RR

TTTTTTTT  
TTTTTTTT  
TT  
TT  
TT  
TT  
TT  
TT  
TT  
TT

CCCCC  
CCCCCCC  
CC CC  
CC  
CC  
CC  
CC  
CC  
CC CC  
CCCCCCC  
CCCCC

## SURFACE WIND SUMMARIES

### EXTREME VALUES OF PEAK WINDS

DATA DERIVED FROM SUMMARY OF DAY DATA.

VALUES PRESENTED BY INDIVIDUAL MONTH AND YEAR WITH ALL YEARS COMBINED.

SPEEDS PRESENTED IN KNOTS.

DIRECTIONS PRESENTED IN 16 COMPASS POINTS FROM BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968. COMMENCING JULY 1968 DIRECTIONS PRESENTED IN TENS OF DEGREES.

AN ASTERISK "\*" IN THE TABLES INDICATES THAT THE VALUE IS BASED ON AN INCOMPLETE MONTH OF THREE OR MORE MISSING DAYS.

MEANS AND STANDARD DEVIATIONS PRESENTED DO NOT INCLUDE INCOMPLETE MONTHS. FOUR OR MORE MONTHS ARE NEEDED TO COMPUTE THESE STATISTICS AND INCOMPLETE MONTHS ARE NOT INCLUDED.

TABLES ALSO INCLUDE THE OBSERVATION COUNTS.

### BIVARIATE PERCENTAGE FREQUENCY TABULATIONS OF SURFACE WINDS

DATA DERIVED FROM HOURLY DATA.

PRESENTED ARE THE PERCENTAGE FREQUENCY OF WIND DIRECTION TO 16 COMPASS POINTS, CALM AND VARIABLE VERSUS WIND SPEED IN KNOTS IN INCREMENTS OF BEAUFORT CLASSIFICATIONS.

PERCENTAGES ARE SHOWN BY BOTH DIRECTIONS AND SPEED, AND IN ADDITION THE MEAN WIND SPEED IS GIVEN FOR EACH DIRECTION.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED)..

A SEPARATE ANNUAL TABLE PRESENTS THE SAME BIVARIATE DISTRIBUTIONS WITH IMPOSED CEILING/VISIBILITY LIMITATIONS: WHEN VISIBILITIES EQUAL TO OR GREATER THAN 1/2 MILES, THE CEILINGS ARE 200 TO 1400 FEET AND/OR WHEN THE CEILING IS EQUAL TO OR GREATER THAN 200 FEET, THE VISIBILITIES ARE 1/2 THROUGH 2 1/2 MILES.

A PERCENTAGE VALUE OF ".0" IN THESE TABLES INDICATES ONE OR MORE OCCURRENCES AMOUNTING TO LESS THAN .05%.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SURFACE WINDS  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 724046 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 44, 48-87

YEAR	DAILY PEAK GUSTS IN KNOTS												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
46	SW 47	NW 45	WSW 43										
49													
50	NNW 25	NW 35	W 39	WSW 44	W 43	SE 27	WSW 32	SE 41	NW 43	SSW 30	NW 35	NNW 37	WSW 44
51	NNW 43	NNW 44	NNE 48	S 35	SW 43	SW 35	SSW 43	S 25	NNW 26	ESE 25	ESE 73	ESE 39	ESE 73
52	SW 49	W 42	ESE 44		W 43	NW 28	NNW 43	SW 32	SSE 29	NW 42	ESE 49	NNW 49	
53	SE 42	NW 48	SSE 54	SE 37	NNW 42	NNW 28	NW 38	SSW 70	SSE 41	NNW 39	ESE 45	SSE 34	SSW 70
54	S 49	NNW 41	NW 45	NNW 42	WSW 36	W 34	NNW 42	SSW 40	SSE 35	NW 31	NNW 40	SW 42	S 49
55	NNW 37	SE 42	ESE 38	W 29	W 30	NW 30	SSW 35	W 24	NW 35		WSW 43	SSE 36	
56	W 42	SSW 43	WSW 50	E 39	WSW 30						W 37	NW 32	
57	NE 44	W 40	ESE 38	NNW 38	NNW 35	NNW 40	WSW 31	N 30	ENE 35	NNW 29	NW 41	NNW 37	W 50
58	SW 40	NNW 33	NW 39	NNW 40	WSW 24	WSW 37	SW 30	NNE 21	WSW 27	NW 32	SSW 41	NNE 40	SSW 41
59	ENE 47	ENE 48	NW 32	SW 32	NNW 32	NNW 30	W 29	W 30	W 26	NW 29	S 42	W 35	ENE 48
60	W 47	NNW 26	NNW 40	NNW 21	NNW 26	NNW 36	W 29	NE 22	N 23	NNW 27	NNW 37	SW 38	W 43
61	S 56	W 44	W 34	W 25	NNW 30	WSW 34	NW 33	NNE 26	NW 56	W 33	W 32	NE 42	NW 56
62	N 54	ENE 26	E 34	E 50	NNW 32	W 71	NNW 26	NW 22	NNW 39	NNW 28	NW 36	W 37	W 71
63	S 37	W 31	NE 46	W 40	W 30	SW 30	W 33	N 30	SSW 29	SSW 20	NE 40	NNW 51	NNW 51
64	NNW 28	NW 21	W 34	NNW 44	NNW 47	NW 26	NW 27	NNW 39	NW 29	NNW 25	WSW 34	W 33	NNW 49
65	ENE 24	NNW 27	WSW 45	NW 46	NNW 32	WSW 42	ESE 25	NNW 25	NNE 25	NW 31	NNW 38	NNW 42	NW 48
66	NW 40	SW 25	NW 33	W 41	NNW 26	NNE 24	NNW 40	WSW 26	W 30	NNW 35	NNW 46	N 33	NNW 46
67	W 45	W 21	NNW 45	NW 29	W 38	NNW 32	NW 37	NNW 39	NNW 30	NW 35	SE 35	NNE 34	W 49
68	NW 47	W 48	NW 28	N 40	N 43	SW 22	ESE 27	S 32	NNE 32	SSE 35	NNW 41	NW 32	W 48
69	NW 29	NNW 41	NW 46	NW 37	W 31	NW 24	W 29	210 51	240 24	290 25	50 46	250 55	250 55
70	290 35	270 45	40 36	220 20	250 27	260 27	290 31	340 21	330 25	280 31	260 33	290 40	330 45
71	260 25	240 30	180 36	270 50	310 26	260 42	270 21	330 28	290 37	370 30	320 31	300 43	270 56
72	260 47	190 28	270 48	270 54	310 35	260 49	320 23	320 39	350 23	60 26	20 42	300 30	270 46
73	270 46	70 41	210 34	260 27	250 26	270 48	320 25	140 24	350 27	10 28	140 28	290 35	270 46
74	210 22	190 37	260 36	290 37	250 29	320 48	320 32	320 51	240 40	120 28	270 47	310 34	320 51
75	230 28	210 42	350 41	280 36	270 46	70 32	370 68	80 41	330 66	320 25	300 38	50 53	330 66
76	250 42	250 77	320 40	270 53	10 27	310 27	270 44	370 22	310 26	280 26	240 24	320 34	270 53
77	270 43	310 51	100 50	250 37	340 52	200 21	300 27	340 46	240 24	180 26	310 31	280 44	180 76

NOTES: \* BASED ON LESS THAN FULL MONTHS  
S BASED ON LESS THAN FULL MONTHS AND \*100 KNOTS

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SURFACE WINDS  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 72456 STATION NAME: MCCLURE AFB NJ

PERIOD OF RECORD: 46, 48-87

YEAR	DAILY PEAK GUSTS IN KNOTS												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
77	15/ 47	26/ 52	29/ 51	26/ 44	33/ 34	30/ 35	28/ 24	34/ 33	25/ 27	2/ 32	29/ 39	30/ 42	28/ 53
78	16/ 44	32/ 50	29/ 34	7/ 23	31/ 33	26/ 39	9/ 27	36/ 42	34/ 32	35/ 27	29/ 26	30/ 42	26/ 44
79	73/ 43	32/ 46	31/ 32	37/ 41	27/ 27	27/ 34	32/ 27	27/ 31	18/ 44	24/ 32	29/ 46	33/ 42	18/ 48
80	21/ 36	37/ 26	29/ 41	28/ 26	27/ 42	22/ 36	30/ 48	24/ 36	31/ 33	9/ 48	33/ 41	30/ 56	30/ 56
81	29/ 38	21/ 47	32/ 36	32/ 36	19/ 25	32/ 49	32/ 26	7/ 31	33/ 32	29/ 37	30/ 34	28/ 43	32/ 49
82	26/ 40	30/ 40	28/ 33	29/ 46	9/ 30	31/ 31	29/ 38	32/ 30	16/ 33	3/ 30	33/ 33	35/ 33	29/ 46
83	31/ 36	5/ 37	17/ 42	17/ 34	24/ 36	25/ 22	26/ 29	31/ 46	23/ 25	10/ 30	24/ 39	30/ 43	31/ 48
84	31/ 31	9/ 36	7/ 47	16/ 22	31/ 62	37/ 30	25/ 30	28/ 23	28/ 29	28/ 30	34/ 30	31/ 28	31/ 62
85	29/ 34	30/ 41	29/ 45	31/ 34	33/ 33	32/ 30	26/ 46	22/ 21	29/ 62	29/ 42	9/ 30	31/ 49	29/ 62
86	26/ 32	34/ 33	29/ 42	10/ 38	29/ 30	33/ 33	25/ 22	30/ 31	35/ 30	32/ 33	29/ 36	34/ 40	29/ 42
87	21/ 38	30/ 35	18/ 47	24/ 37	24/ 45	28/ 43	28/ 40						
MEAN	39.8	40.3	41.5	37.6	34.8	33.9	32.7	34.0	33.2	32.0	38.5	39.6	52.1
S.D.	5.792	5.627	5.920	6.963	5.450	5.656	10.046	10.656	11.033	5.682	8.476	7.448	7.968
TOTAL OBS	1723	1103	1162	1099	1118	1065	1109	1090	1044	1043	1143	1192	13431

NOTES: \* (BASED ON LESS THAN FULL MONTHS)  
% (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH  
USAFITAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(IST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.6	4.1	4.3	1.7	.1						12.0	6.3
NNE	.5	.6	1.2	.2	.3						2.9	7.7
NE	1.1	.5	.9	.5	.1						3.5	7.0
NNE	.5	.2	.4	.1							1.6	4.6
E	1.2	.2	.9	.2							2.5	5.3
ESE	.7	.4	.6								1.4	5.9
SE	.3										.3	2.3
SSE	.7	.7	.1								.9	3.4
S	.5	.9	.4	.7	.1						2.3	6.7
SSW	1.4	1.3	.9	.4	.1						4.1	6.7
SW	.9	1.4	1.0								3.2	5.1
WSW	.6	2.3	.9	.9	.1						4.7	7.1
W	2.7	4.1	3.5	4.1	.6	.3					14.7	8.4
WNW	.5	3.7	3.0	3.1	.5	.1					11.2	9.1
W	.6	2.5	2.4	3.7	.9						9.4	9.6
WNW	.4	3.7	2.2	1.5	.2						8.4	7.6
VARIABLE												
CALM	////////////////////										17.7	////
TOTALS	14.9	26.7	22.6	15.7	3.1	.4					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS: 720

GLOBAL CLIMATOLOGY BRANCH  
USAF/CIAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724796 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(1ST): 0300-0500

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	3.3	4.6	3.3	1.9	.1							13.3	6.2
NNE	.9	1.2	.4	.6	.2							3.2	7.3
NE	.4	.5	.5	.8	.2	.1						2.9	8.6
ENE	.5	1.1		.1	.1							1.8	5.3
E	.9	.8	1.0	.2								2.7	6.0
ESE	.4	.2	.4	.2								1.3	6.9
SE	.3	.1	.1									.5	3.6
SSE	.7	.2		.1								.6	5.0
S	1.4	.4		.8	.2							2.8	6.7
SSW	1.0	.3	1.5	.2								3.0	6.4
SW	1.6	1.3	.3	.1								3.3	4.1
WSW	.9	2.0	1.9	.8	.3							5.9	7.5
W	2.7	3.2	4.3	2.4	1.4	.7						13.8	8.9
WNW	1.1	2.2	3.4	3.1	1.0	.4						11.2	10.0
W	.9	2.3	2.8	1.5	.4							7.7	8.6
NNW	.8	2.9	2.4	1.9								8.0	7.6
VARIABLE													
CALM	////////////////////												17.8
TOTALS	16.9	23.3	22.5	14.7	4.0	.9						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/CLTAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	0.2	3.8	3.5	1.2							10.6	6.3
NNE	1.6	2.0	1.0	.9	.1						5.6	6.5
NE	1.2	.5	.5	.2	.1						2.6	5.5
NNE	.4	.5	.5	.1	.2						1.9	7.8
E	1.1	.6	.9	.5							3.1	6.1
ESE	.4	.3	.3		.1						1.2	6.4
SE	.2		.4	.1							.9	6.9
SSE	.2	.2	.3								.8	5.4
S	1.3	1.4	.5	.1							3.7	4.9
SSW	.9	.8	.8	.4	.2						3.0	7.3
SW	1.5	1.9	.8	.1							4.2	4.7
WSW	1.2	1.2	1.0	.4	.4						4.2	7.3
W	1.6	4.1	4.6	3.5	1.5						15.4	8.9
WNW	1.9	3.1	4.0	3.0	1.0						12.9	8.7
NW	1.0	2.5	2.7	2.4	.4	.1					9.0	8.9
NNW	1.5	1.1	2.5	1.0	.4						6.5	8.0
VARIABLE												
CALC	////////////////////										14.6	////
TOTALS	13.2	24.0	24.6	14.0	4.5	.1					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724090 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 79-87  
MONTH: JAN HOURS(LST): 0900-1100

DIRECTION (CULPETS)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.0	2.7	3.8	2.9	.1							10.4	8.4
NNE	1.1	2.0	1.3	.6	.1							5.2	6.8
NL	.6	1.6	2.4	.4								5.1	6.6
ENE	.6	.4	.8	.2	.3							2.4	6.0
E	.8	.9	1.0	.8								3.3	6.9
ESE	.5	.5	.2	.4								1.7	6.4
SE	.2	.1	.5									.9	6.1
SSE	.7	.5	.1									1.0	3.9
S	.6	.4	1.1	.7								2.4	6.9
SSW	.3	.6	1.3	.9	.1							3.1	8.7
SW	.8	1.2	1.2	.6			.1					3.3	7.7
WSW	.4	1.7	1.8	1.0	.6	.1						6.1	6.6
W	1.7	1.6	3.0	4.5	1.6	.1	.1					12.3	10.9
WNW	1.0	1.6	4.5	5.8	2.3	.4						15.6	11.4
WW	.4	1.4	4.3	4.7	1.2	.2						12.7	10.7
WNW	.9	1.5	2.3	1.8	.2	.3						7.0	9.6
VARIABLE													
CALM	////////////////////											7.1	////
TOTALS	11.7	18.9	29.5	24.8	6.6	1.2	.2					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/CIAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 79-87  
MONTH: JAN HOURS(IST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.4	3.3	3.5	1.3	.3						9.9	7.4
NNE	.8	.8	1.1	.6							3.2	7.2
NE	.3	.8	1.1	.4							2.6	7.7
NNE	.3	.6	1.0	.6	.2						3.0	8.4
E	1.2	.5	1.0	1.0	.1						4.6	7.6
ESE	.4	.2	.4	.1							1.2	6.4
SE	.2	.2	.1	.1							.6	6.0
ESE	.2	.5	.6								1.4	5.9
S	.3	.9	1.0	.2	.2						2.6	8.1
SSW		.3	1.0	.5							1.9	9.3
SW	.4	.9	.6	1.7	.1						3.8	9.2
WSW		1.2	2.0	1.2	.9						5.2	10.1
W	1.3	2.4	3.1	4.6	1.8	.2					14.3	11.3
WNW	.3	1.5	3.8	6.6	2.9	1.2					16.7	12.6
W	1.3	2.0	5.9	6.5	1.6	.4					17.4	11.1
WNW	.9	1.0	2.3	2.7	.1	.2	.1				5.2	10.5
VARIABLE												
CALC	////////////////////////////////////										3.5	////
TOTALS	9.5	17.3	29.4	24.4	8.7	2.7	.1				100.0	9.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/FLTAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724396 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS/1ST: 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.6	3.7	2.6	1.1	.3						10.2	6.3
NNE	.3	.5	1.2	.3							2.4	7.2
NE	.5	.9	1.4	.9	.1						3.8	8.2
NNE	.3	.6	.6	.5	.3						2.5	8.7
E	.5	1.5	1.1	.5	.1						4.7	7.4
ESE	.2	.6	.2	.2	.1						1.4	6.8
SE		.3	.3								.6	6.3
SSE	.4	.3	.3								1.1	4.5
S	.1	1.1	.9	.4							2.5	7.6
SSW	.5	.8	1.4	.3							3.0	6.7
SW	.8	1.5	1.0	.5		.1	.1				4.7	7.4
WSW	.6	2.7	1.2	.9	.2	.1					5.1	8.0
W	.9	3.4	4.2	4.1	1.6	.5	.1				15.3	17.3
WNW	1.8	2.7	4.7	5.6	2.3	.8					17.2	11.0
W	1.4	1.7	4.9	4.3	1.0	.3					13.7	9.9
WNW	1.4	1.5	2.4	1.6	1.7	.1	.2				8.4	9.8
VARIABLE												
CALM	////////////////////////////////////										5.1	////
TOTALS	12.5	22.9	28.4	21.7	7.0	2.7	.4				100.0	9.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCQUINN AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(EST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.2	2.2	1.6	1.2								6.1	6.7
NNE	.6	1.2	1.8	.5								4.2	7.2
NE	1.3	1.3	.3	.5								3.7	6.1
NNE	.9	1.2	.4	.5								3.0	6.0
E	.9	.9	.4	.4								2.6	6.0
ESE	.4			.3								1.2	5.4
SE	.5	.7		.1								1.0	3.9
SSE	.5	.1	.1	.7								1.4	5.2
S	1.1	1.5	.9	.1	.1							3.5	5.1
SSW	1.2	1.4	.8	.1	.7							3.7	6.1
SW	.4	1.7	1.1	.3	.7							3.7	7.1
WSW	1.7	2.0	1.3	.7	.7							6.7	6.1
W	3.3	4.4	3.7	3.7	.9	.5	.1					16.3	8.5
WSW	2.8	2.6	3.4	3.7	1.5	.5						14.7	9.4
W	1.0	2.0	3.0	2.0	.1							9.1	7.8
WNW	1.1	1.7	2.2	1.7	.5							7.6	8.9
VARIABLE													
CALC	////////////////////////////////////	////////////////////////////////////	////////////////////////////////////	////////////////////////////////////	////////////////////////////////////	////////////////////////////////////	////////////////////////////////////	////////////////////////////////////	////////////////////////////////////	////////////////////////////////////	////////////////////////////////////	12.2	////
TOTALS	20.5	25.2	20.9	16.1	3.5	1.0	.1					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704790 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 79-87  
MONTH: JAN HOURS(IST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.0	3.4	2.8	1.4	.1						9.4	7.0
NNE	.4	1.7	.9	.7	.3						3.5	7.1
NE	.7	.7	1.1	.3	.2						2.8	7.7
ENE	.5	.9	.4	.2							2.3	6.1
E	.4	.5	.4	.1							1.5	6.1
ESE	.5	.2	.2								1.0	4.4
SE	.7			.1							.4	4.5
SSE	.5	.7	.2	.2							1.3	5.9
S	1.1	.3	.4	.5							2.9	5.7
SSW	1.5	1.5	.5	.4	.1						4.1	5.7
SW	1.7	1.7	1.0	.1							4.5	4.8
WSW	1.6	1.5	1.2	.2	.2						5.1	5.7
W	2.7	3.1	3.3	3.7	1.0	.7					14.0	8.7
WNW	1.5	1.7	3.4	3.0	1.1	.5					11.3	10.2
WW	1.1	2.4	3.7	2.6	.3	.1					10.1	8.7
WNW	1.1	3.7	2.9	2.4	.3						10.5	8.3
VARIABLE												
CALM	////////////////////////////////////										15.5	////
TOTALS	17.1	24.1	22.7	16.1	3.7	.9					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS: 250

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744096 STATION NAME: MCCLURE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: JAN FOURTH LAST: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	2.0	3.5	3.2	1.5	.1							10.3	6.8
NNE	.9	1.3	1.1	.5	.1							3.8	7.0
NL	.9	.9	1.0	.6	.1	.0						3.4	7.2
ENE	.6	.7	.6	.3	.1							2.3	7.0
E	.3	.7	.9	.5	.0							3.0	6.6
ESE	.5	.3	.3	.2	.0							1.3	6.1
SE	.2	.1	.2	.1								.7	5.2
SESE	.4	.3	.2	.1								1.0	5.0
S	.3	.9	.7	.3	.1							2.0	6.3
SSW	.3	.9	1.0	.9	.1							3.2	6.8
SW	1.0	1.4	.9	.9	.0	.0	.0					3.8	6.3
WSW	.0	1.8	1.4	.7	.4	.0						5.3	7.5
W	1.7	3.2	3.7	3.8	1.3	.4	.0					14.5	9.4
WNW	1.4	2.3	3.8	4.0	1.6	.5						13.8	10.4
W	1.1	2.1	3.7	3.4	.7	.1						11.1	9.7
WNW	1.3	2.1	2.4	2.1	.7	.1	.0					8.1	8.9
VARIABLE													
CALM	////////////////////											11.6	////
TOTALS	15.2	22.7	25.1	17.1	5.1	1.2	.1					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGLIRE AFB NJ

PERIOD OF RECORD: 7P-87  
MONTH: FEB HOURS(IST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	3.7	4.7	3.9	1.4	.2							13.0	6.5
NNE	.4	1.7	.5	.4								3.0	6.5
NE	.8	1.1	1.2	.2								3.3	6.5
NNE	.8	.7	1.1	1.3								3.9	8.4
E	.9	2.1	.9	.2								4.1	5.5
ESE	.4	.2										.6	2.8
SE	.2	.1	.1									.5	4.0
ESE	.4	.1	.1									.6	4.4
S	.5	1.2	.7	.5	.2							3.2	7.2
SSW	1.5	.2	.7	.1								2.6	4.4
SW	1.9	1.9	.6									4.4	4.1
WSW	1.5	1.4	.6	.2								3.8	4.5
W	2.6	1.9	.9	.2								5.7	4.3
WNW	1.4	2.7	3.1	1.9	1.2	.4						10.6	9.0
WW	1.2	3.7	3.7	2.9	.9	.1						11.6	9.3
WNW	.5	2.5	2.6	2.4	.2							8.6	8.9
VARIABLE													
CALM	////////////////////////////////////											27.4	////
TOTALS	18.7	29.1	28.8	10.2	2.7	.5						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS: 946

GLOBAL CLIMATOLOGY BRANCH  
USAF/CLTAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(IST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.7	3.7	3.7	2.0	.2						13.2	6.5
NNE	.2	1.7	1.4	.6							3.9	7.6
NE	.8	.6	.7	.6		.1					3.3	7.8
ENE	1.3	.9	.8	.8	.1						3.9	6.8
E	1.2	1.5	.8	.6							4.1	5.7
ESE	.2	.2	.2								.7	5.5
SE	.4		.2								.6	4.4
SSE	.4	.1		.1							.6	4.4
S	1.1	.6	.1	.2	.2						2.5	6.2
SSW	.5	.8	.9	.2	.1						2.6	7.3
SW	1.4	.8	.5	.1	.1						3.0	5.0
WSW	.9	1.7	.1	.1							2.8	4.2
W	2.7	3.6	1.4	.5							8.2	5.0
WNW	1.1	3.2	2.8	2.4	.4	.1					9.9	8.5
WW	1.1	3.7	3.0	2.6	.8	.2	.1				11.1	9.3
NNW	2.7	2.1	3.2	2.1	.1						9.6	7.7
VARIABLE												
CALM	////////////////////										20.0	////
TOTALS	19.9	25.0	20.0	17.0	2.1	.5	.1				100.0	5.6

TOTAL NUMBER OF OBSERVATIONS: 946

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGLIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(IST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-56		
N	2.4	2.6	3.7	3.1	.1							13.2	7.4
NNE	.9	1.6	.7	.5	.2	.1						4.0	7.7
NE	.8	1.7	.5	.5	.4							3.5	7.3
ENE	.7	1.4	.5	.8	.2							3.7	7.2
E	1.1	1.9	.8	.5	.1							4.4	6.2
ESE	.5	.6		.1								1.1	4.7
SE	.4	.1	.1									.6	4.2
SSE	.7	.2	.1									1.1	3.0
S	1.4	.9	.5	.1	.4	.2						3.5	6.8
SSW	1.2	.7	.2	.1								2.2	4.5
SW	1.6	1.7	.6	.2								4.7	4.8
WSW	1.8	2.4	.1	.1								4.4	3.9
W	2.1	3.6	1.1	.5	.4							7.6	5.7
WNW	.6	3.3	3.2	2.2	.9	.5						17.4	9.6
NW	.7	2.7	4.4	2.7	.7							11.2	8.9
NNW	1.9	1.4	1.8	1.9	.2							7.2	7.9
VARIABLE													
CAL	////////////////////////////////////											17.5	////
TOTALS	29.1	27.7	19.2	13.6	3.7	.8						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS: 946

JOURNAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 WSAFETAC      FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MPC

STATION NUMBER: 774096    STATION NAME: MCCLURE AFB TX

PERIOD OF RECORD: 78-87  
 MONTH: FEB    HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.5	2.8	1.5	5.4	1.7	.4					14.0	10.7
NNE	1.7	1.9	1.5	.5		.1					5.9	7.0
NE	.7	1.7	1.7	1.7							4.8	7.7
NNE	.7	1.9	.6	.6	.2						3.5	7.4
E	.5	2.4	.5	.5	.1	.1					5.7	6.6
ESE	.7	.7	.7	.1	.1						2.4	5.8
SE	.1	.7	.1								.7	4.9
SSE	.5	.4	.4	.1							1.4	5.7
S	.4	.9	.5	.7	.1						2.7	8.3
SSW	.2	.8	1.7	.4							3.6	7.1
SW	.7	.6	.5	.5							2.5	7.3
SSW	.7	1.7	1.7	.7							5.6	6.8
W	.7	1.4	3.2	1.7	.1	.1					7.7	6.9
WSW	.7	1.5	3.0	3.7	1.7	.4					11.6	10.5
W	.5	1.7	4.5	5.1	.5						13.6	9.8
WNW	1.1	1.7	2.1	3.4	1.7	.5					9.8	10.9
VARIABLE												
CALM	////////////////////										5.3	////
TOTALS	11.4	20.1	26.4	27.7	5.7	1.7					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS: 946

GLOBAL CLIMATOLOGY BRANCH  
HSAFLTAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 774096 STATION NAME: MCGUIRE AFB TX

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(IST): 1200-1400

DIRECTION (REFUGES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.2	3.7	3.4	2.6	.8	.7					12.2	8.6
NNE	.6	2.4	1.5	.5							5.7	6.6
NE	.7	.9	1.4	1.2							3.8	6.8
NNE	.1	.4	1.4	.5	.7						2.6	9.5
E	.1	1.5	1.4	.5	.1	.1					4.7	8.1
ESE	.6	.5	.7	.7							2.7	6.4
SE	.4	.7	.5	.2							1.7	6.6
ESE	.1	1.1	.4	.5							2.7	7.6
S	.7	.8	.9	.7							2.7	8.9
SEW	.4	.5	.6	.4							1.8	7.7
SW	.7	.6	.8	.7							2.4	7.7
SSW	.7	1.1	2.2	1.5							5.1	8.8
W	.9	3.7	2.4	2.9	.4	.1					9.6	8.6
WNW	.7	2.4	1.0	5.7	1.2	.5					15.6	10.9
W	.9	1.7	5.5	5.1	1.7	.3	.1				16.3	11.4
WNW	1.7	2.4	2.6	2.7	1.1	.4					12.5	9.8
VARIABLE												
CALM											3.2	////
TOTALS	9.7	22.7	32.4	26.7	5.4	2.1	.1				100.0	9.1

TOTAL NUMBER OF OBSERVATIONS: 846

CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704096 STATION NAME: MCCLURE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(IST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40		
N	1.4	2.7	2.6	1.2	.4	.1			9.7	7.6
NNE	.7	2.2	.7	.5					3.9	6.2
NE	.2	2.0	1.2	.4	.1	.1			4.5	8.0
ENE	.2	1.1	.7	.6	.1	.1			2.8	4.0
E	.2	2.0	1.5	.5					4.3	6.9
ESE	.1	1.3	.5	.7					2.1	6.3
SE	.2	.6	1.1	.5					2.4	7.8
SSE	.2	.5	.4	.2					1.5	7.2
S	.2	.5	.6	.4					1.7	7.2
SSW		.1	1.2	.1					1.4	8.1
SW	.5	.7	1.4	.4					3.0	7.1
WSW	.2	1.7	2.2	1.1					4.9	8.2
W	1.7	2.4	4.4	2.4	.5				11.5	8.1
WNW	1.7	2.9	5.3	6.7	1.2	.5			17.4	10.4
WW	.7	1.7	5.6	5.1	1.1	.5			14.5	10.7
WNW	.5	2.4	3.3	7.4	.4	.2	.1		11.1	9.6
VARIABLE										
CALC	////////////////////////////////////								3.8	////
TOTALS	6.7	24.7	52.5	23.1	3.7	1.7	.1		100.0	8.5

TOTAL NUMBER OF OBSERVATIONS: 840

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LOCAL): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	0.5	2.1	1.1	.7	.1							6.5	5.5
NNE	.6	.7	.7	.6		.1						2.7	7.7
NE	.2	1.2	2.1	.1								3.7	7.3
ENE	.4	.4	.8	.4	.1							2.5	7.7
E	1.2	2.0	1.3	.1	.1							4.7	5.6
ESE	1.2	1.3	.1									2.5	7.4
SE	1.4	1.5	.2	.2								3.4	4.3
SSE	1.2	.5	.2	.1	.1							2.6	4.9
S	1.4	2.7	.5	.4								4.4	5.0
SSW	1.4	.6	.6	.1	.1							2.4	4.9
SW	2.4	2.0	1.2	.2								5.8	5.0
WSW	1.1	3.7	.8	.1								5.7	4.9
W	1.4	3.5	2.0	.5	.2							9.5	6.1
WNW	1.3	4.7	4.0	1.7	.8	.2						12.4	8.1
NW	.7	4.4	4.5	1.7	.4	.7						12.3	8.7
NNW	1.1	2.1	3.1	2.7	1.2	.1						10.3	9.7
VARIABLE													
CALM	////////////////////////////////////											8.2	////
TOTALS	13.9	34.0	24.3	6.2	3.2	1.2						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
 WSAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM FOURLY OBSERVATIONS

STATION NUMBER: 724296 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
 MONTH: FEB HOURS(IST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33		
N	1.5	4.0	2.1	1.3	.4			9.3	6.7
NNE	.4	1.9	1.2	.6	.1			4.1	7.6
NE		.9	.9	.6				2.5	8.0
ENE	.7	.5	1.1	.7	.1			3.1	8.1
E	1.1	1.7	1.1	.7				4.0	5.7
ESE	.7	.7	.1					1.1	3.1
SE	.9	.4	.2	.1				1.7	3.9
SSE	.9	.1	.1	.1				1.3	3.5
S	1.7	.9	.6	.7	.1			3.4	5.1
SSW	2.6	2.5	.6	.1				5.8	4.0
SW	2.1	2.5	.7	.1				5.4	4.5
WSW	2.1	1.3	.4	.2				4.4	4.7
W	2.5	3.1	.8	.2				6.6	4.7
WNW	1.9	2.1	3.4	1.6	1.5	.1		10.4	9.5
WV	2.1	3.7	3.7	2.4	.9	.7		12.2	8.4
WNW	1.1	2.7	3.7	2.6	.6	.1		10.4	8.9
VARIABLE									
CALM								14.2	////
TOTALS	21.4	27.7	20.8	11.4	3.7	.5		100.0	5.9

TOTAL NUMBER OF OBSERVATIONS: 245

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724396 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 79-87  
MONTH: FEB HOURS(UT): ALL

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	2.3	3.4	3.0	2.2	.4	.1						11.4	7.6
NNE	.6	1.7	1.1	.6	.0	.0						4.1	7.0
NE	.5	1.2	1.2	.7	.1	.0						3.7	7.6
NNE	.6	.9	.9	.7	.1	.0						3.3	7.9
E	.8	1.0	1.1	.4	.1	.7						4.3	8.3
ESE	.6	.6	.3	.1	.0							1.6	5.0
SE	.7	.5	.3	.1								1.4	5.3
ESE	.6	.4	.2	.1	.0							1.4	5.4
S	.2	1.0	.6	.4	.1	.0						3.3	6.7
SSW	1.0	.8	.8	.2	.0							2.8	5.5
SW	1.7	1.7	.8	.3	.0							3.8	5.7
WSW	1.1	1.5	1.1	.5								4.6	6.0
W	1.5	2.5	2.1	1.1	.2	.7						8.2	6.7
WNW	1.1	3.0	3.7	3.1	1.0	.3						12.3	9.7
NW	1.7	2.4	4.4	3.4	.9	.7	.0					12.9	9.7
NNW	1.2	2.2	2.8	2.7	.6	.2	.7					9.7	9.2
VARIABLE													
CPLM	////////////////////////////////////											11.6	////
TOTALS	17.9	25.6	24.4	16.6	3.7	1.1	.7					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS: 6767

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 7P-87  
MONTH: MAR HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	3.7	4.9	2.5	2.0							12.5	6.3
NNE	.3	.5	.6	.4							2.0	7.5
NF	.6	1.6	.6	.4	.2						3.5	6.9
ENE	1.0	1.3	.3	.5		.2					4.7	7.2
E	1.0	.8	.6	.3							2.7	5.6
ESE	.8		.3	.3							1.4	6.0
SF	.6	.5	.2								1.4	3.7
SSE	.3	.5	.3	.1							1.3	5.8
S	1.7	2.0	1.6	.5							6.0	5.6
SSW	1.3	1.4	2.2	.5	.2						6.6	6.5
SW	2.2	1.7	.2								4.1	3.6
WSW	1.3	2.0	.6								4.7	4.4
W	1.7	1.5	1.8	.3	.1						5.2	6.1
WNW	.1	3.1	3.7	1.9	.9						9.7	9.2
NW	1.1	2.7	2.3	2.4	.6	.1					9.1	8.9
NNW	1.2	3.7	3.0	1.2	.3						9.3	7.2
VARIABLE												
CALM	////////////////////										17.6	////
TOTALS	17.7	29.7	21.1	11.1	2.4	.4					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/CLAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 7A-87  
MONTH: MAR HOURS(IST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.4	4.7	1.8	1.8	.3						10.6	6.6
NNE	.6	1.7	.6	.3	.1						3.4	6.6
NE	.6	1.0	1.0	.4	.1						3.1	7.2
NNE	1.7	1.7	1.4	1.3		.2	.1				6.7	7.9
E	1.1	.5	1.0								2.6	5.1
ESE	.4	.1	.6	.1							1.3	6.2
SE	.6	.2	.1								1.1	3.6
SSE	1.1	.6	.2								2.7	3.8
S	1.2	1.5	1.1	.5							4.3	6.0
SSW	1.6	1.8	1.4	.4	.2						5.9	6.6
SW	1.5	1.0	.8	.4							3.9	5.3
WSW	.5	1.6	.2	.2							2.7	5.0
W	1.4	2.2	1.9	1.1	.7						6.9	7.2
WNW	1.5	2.7	3.5	1.9	.9						10.0	8.8
WW	1.7	3.7	2.0	2.7	.3						9.4	8.0
WNW	1.7	2.9	2.4	1.3							8.2	6.6
VARIABLE												
CALM	////////////////////////////////////										18.6	////
TOTALS	18.2	27.1	21.2	12.3	2.4	.7	.1				100.0	5.6

TOTAL NUMBER OF OBSERVATIONS: 730

GLOBAL CLIMATOLOGY BRANCH  
USAF/CIAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGLIRE AFB NJ

PERIOD OF RECORD: 79-87  
MONTH: MAR HOURS (LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.3	3.0	3.5	1.5	.2						10.5	6.7
NNE	.6	1.4	1.5	.9	.3						4.7	8.1
NE	.9	1.4	1.4	.2	.1						4.0	6.3
ENE	.4	1.1	1.4	.9		.2					4.0	8.8
E	1.0	1.5	1.8	.6	.1	.1					5.2	7.5
ESE	1.1		.2								1.3	2.8
SE	.7	.2	.9								1.4	6.7
SSE	.2	.1	.8	.1							1.8	5.1
S	.9	1.5	.9	.3	.2						3.8	6.4
SSW	.4	1.4	1.3	.9							4.0	7.6
SW	1.1	1.3	1.1	1.0							4.4	6.5
WSW	1.0	1.2	.9								3.0	5.1
W	1.3	3.0	2.0	2.2	.1	.2					9.1	7.8
WNW	1.0	2.8	2.7	2.9	.3	.7					9.9	9.1
NW	1.0	2.7	2.6	2.9	.3						9.5	8.6
NNW	1.3	0.2	2.8	1.8	.1						6.2	7.8
VARIABLE												
CALM	////////////////////////////////////										15.3	////
TOTALS	15.7	24.9	25.8	16.0	1.8	.2					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFITAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 79-87  
MONTH: MAR HOURS(IST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.7	3.2	5.6	3.1	.5	.1						14.3	8.6
NNE	.6	1.2	1.9	.6	.3							4.7	8.4
NE	.5	.9	2.0	.9	.1	.3						4.6	9.1
NNE	.3	1.6	1.9	1.2	.2	.1						4.7	9.0
E	.2	1.2	2.3	1.5	.2							5.7	9.5
ESE	.3	1.3	.6									2.3	5.6
SE	.7	.3	.8	.1								1.9	6.4
SSE	.2	.2	.5	.5								2.3	7.5
S	.3	1.1	1.1	.6	.2	.1						3.5	9.1
SSW	.4	.8	1.7	.4	.2							3.5	8.3
SW	.3	.9	1.6	1.4	.5							4.6	10.3
WSW	.3	1.2	2.2	1.5	.1	.7						5.5	9.7
W	.4	1.1	1.7	3.0	1.0							7.2	11.0
WNW	.9	1.9	2.8	3.8	1.6	.5		.1				11.7	11.6
W	1.1	1.6	3.0	4.7	.9							11.1	9.8
WNW	.5	1.2	3.3	3.4	.6							9.7	10.2
VARIABLE													
CALM	////////////////////											2.6	////
TOTALS	8.3	21.7	33.3	27.1	6.6	1.5		.1				107.0	9.3

TOTAL NUMBER OF OBSERVATIONS: 730

GLOBAL CLIMATOLOGY BRANCH  
USAF/CLTAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704090 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LEST): 1200-1400

DIRECTION (OF DEGREE)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.4	1.9	5.2	1.7	.6							9.5	8.7
NNE	.3	1.7	1.7	1.4	.3							5.1	8.9
NE	.4	.8	1.0	.7		.1						3.1	8.6
NNE		.5	1.7	.6	.3							3.2	10.1
E	.6	1.6	1.7	1.2	.5							5.7	8.9
ESE	.7	1.4	1.5	.2								3.4	6.6
SE	.7	.5	.6	.1								1.5	6.8
SSE	.6	.7	1.0	.2								2.2	6.8
S	.5	.6	2.0	.5	.1		.1					3.2	8.8
SSW	.1	1.0	1.6	1.2	.1							4.0	9.2
SW		.6	.9	1.5	.5							3.5	11.5
WSW	.2	.5	2.4	1.8	.3							5.6	10.1
W	.1	2.7	3.7	2.4	1.4	.2						11.2	10.9
WNW	.5	1.4	3.7	4.5	1.7	.2	.2					13.7	12.2
W	1.2	2.6	2.9	5.2	1.7							13.0	10.3
NNW	.8	1.7	3.5	3.0	1.0	.3						10.1	10.7
VARIABLE													
CPLM	////////////////////											1.4	////
TOTALS	6.9	19.6	34.6	27.3	8.2	1.5	.3					100.0	9.8

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(UT): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.1	3.2	3.2	2.7	.5	.1					10.9	8.8
NNE	.6	1.5	1.1	1.1							4.3	8.0
NEL		1.1	.4	.5	.1						2.2	8.4
ENE	.1	.5	1.8	1.0	.3						3.9	10.1
E	.2	1.5	1.8	.9							4.4	8.0
ESE	.3	1.9	1.0	.2	.1						4.5	7.1
SE	.3	1.0	1.3								2.6	7.0
SSE	.2	1.4	1.4								3.0	6.6
S	.1	1.3	2.5	1.0							4.8	8.4
SSW	.1	.8	1.7	.6	.2						3.4	9.5
SW	.2	.8	1.8	1.3	.3	.1					4.5	10.2
WSW	.2	1.0	2.7	2.2	.1						6.1	9.3
W	.9	1.2	3.8	4.5	1.3	.5					12.3	11.1
WNW	.4	1.0	2.9	4.7	1.3	.9					11.1	12.3
WV	.3	1.6	3.9	4.6	.9	.2					11.5	11.1
WNW	.4	1.4	3.4	2.5	.4						9.7	9.9
VARIABLE												
CALM	////////////////////										1.6	////
TOTALS	5.6	21.2	35.7	26.6	5.6	1.7					100.0	9.6

TOTAL NUMBER OF OBSERVATIONS: 230

GLOBAL CLIMATOLOGY BRANCH  
USAF/LTAC  
AIP WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(IST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.5	2.4	3.0	1.6	.4	.1					9.0	8.1
NNE	.1	.6	1.1	1.2							2.9	10.0
NE	.3	.5	1.0	.2		.1					2.2	8.2
ENE	.4	.4	1.0	1.2	.1						3.4	8.9
E	.9	1.4	1.3	.4		.1					4.5	6.6
ESE	1.7	1.1	.8		.2						3.3	5.1
SE	.5	1.7	.4	.4							3.3	5.6
SSE	2.3	2.4	.2	.1							4.9	4.2
S	1.0	4.6	3.1	.3							9.7	5.6
SSW	1.6	1.9	1.1	.2							4.9	5.3
SW	.4	1.6	.9	.3	.1	.1					3.4	7.2
WSW	.6	1.6	1.3								3.5	5.7
W	1.5	4.7	2.6	1.7	.3	.2					12.3	7.3
WNW	1.0	2.0	2.7	2.5	.5	.3					9.0	9.8
NW	1.7	2.7	5.5	2.3	.1	.1					11.9	8.3
NNW	.5	2.5	2.4	1.7	.1						7.4	8.0
VARIABLE												
CALM	////////////////////										6.1	////
TOTALS	16.7	32.2	25.2	13.9	1.9	1.1					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.9	2.8	5.0	2.9	.2						13.0	8.1
NNE	.4	.6	.9	.9							2.8	8.3
NE	.4	1.1	.8	.6		.1					2.9	7.4
ENE	1.0	1.2	.5	.1		.4					3.2	7.7
E	1.7	1.0	.5	.6							3.9	5.4
ESE	.9	.2	.2	.2							1.6	5.0
SE	1.4	.4		.1							1.9	2.9
SSE	1.4	1.1	.4								2.9	4.3
S	2.3	3.0	3.0	.6	.1						8.9	6.2
SSW	1.3	3.0	1.1	.3	.1						6.5	5.2
SW	1.8	2.5	.9	.1	.1						5.4	4.9
WSW	.5	1.7	.2	.3							2.2	6.2
W	1.3	2.7	2.4	1.6	.2						8.2	7.4
WNW	.3	2.0	2.8	1.6	.3	.3					7.4	9.4
W	.9	3.1	1.4	1.4	.3	.2					7.7	8.0
WNW	.8	2.3	2.5	1.7	.3						7.4	8.2
VARIABLE												
CALM	////////////////////										14.1	////
TOTALS	16.7	28.1	23.3	17.0	1.7	1.1					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS: 250

GLOBAL CLIMATOLOGY BRANCH  
USAF/CLAC  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704096 STATION NAME: MCGUIRE AFB MO

PERIOD OF RECORD: 7P-87  
MONTH: MAR HOURS(EST): ALL

DIRECTION (DUFORFS)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.8	3.7	3.7	2.1	.4	.0					11.3	7.7
NNE	.5	1.2	1.1	.5	.1						3.7	5.3
NE	.5	1.0	1.0	.5	.1	.1					3.2	7.7
ENE	.6	1.3	1.3	.4	.1	.0	.0				4.0	8.7
E	.8	1.2	1.4	.7	.1	.0					4.3	7.4
ESE	.7	.5	.8	.1	.0						2.4	5.9
SE	.5	.7	.5	.1							1.9	5.5
SSE	.9	.9	.6	.1							2.6	5.3
S	1.1	2.0	1.5	.6	.1	.0	.0				5.6	6.7
SSW	.9	1.6	1.5	.6	.1						4.9	7.0
SW	.7	1.7	1.0	.5	.2	.0					4.2	7.4
WSW	.5	1.7	1.7	.6	.1	.0					4.1	7.6
W	1.0	2.3	2.5	2.0	.6	.1					8.8	8.9
WNW	.7	2.0	3.1	3.0	.8	.4	.0	.0			10.3	10.5
WW	1.0	2.1	3.1	3.1	.6	.1					10.4	9.3
WNW	.8	1.1	2.0	2.3	.4	.0					8.6	8.7
VARIABLE												
CALM	////////////////////										9.7	////
TOTALS	27.1	29.4	27.6	19.7	7.8	1.0	.1	.0			100.0	7.4

TOTAL NUMBER OF OBSERVATIONS: 7440

CLIMATE CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 774096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS (LST): 0000-0200

DIRECTION (000-359)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-60	
0	.7	3.7	2.0	.9							6.7	6.8
045	.0	.9	.4	.6							2.1	7.2
090	.8	1.2	.9	.6							3.8	7.0
135	1.1	1.9	1.3	.6	.1						5.0	6.2
180	1.5	2.2	1.7	.8							6.2	6.1
225	.9	.7	.4	.4							2.4	5.8
270	.0	.0	.7	.1							1.7	6.7
315	.0	.6	.1	.3							2.0	5.2
360	0.0	1.4	.8	.4	.1						4.9	5.3
045	.8	2.6	1.0	.1							5.7	4.1
090	1.4	1.7	1.2								4.3	4.9
135	1.6	.5	.6								3.0	4.2
180	1.5	2.9	2.7	.9	.6						7.8	7.1
225	1.0	2.9	2.3	1.4	.1	.1					8.4	7.3
270	.1	2.7	2.0	.5	.3	.1					6.8	7.8
315	1.7	0.3	2.6	1.7							7.1	7.0
VARIABLE												
CALM	////////////////////////////////////										22.2	////
TOTALS	19.7	27.4	20.3	9.0	1.0	.7					100.0	4.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAF/CLAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 754396 STATION NAME: MCQUIR AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(1ST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.7	1.9	2.4	.1							5.1	6.7
NNE	.1	1.1	.2	.2							1.7	6.5
NE	1.1	1.4	1.1	.7							4.3	6.3
NNE	1.2	1.7	1.9	.3							4.8	6.2
E	1.3	3.1	1.9	1.1							7.4	6.4
ESE	.4	.7	.1	.7							1.2	6.8
SE	.2	.4	.6								1.8	4.8
ESE	.4	.7	.7	.7							1.1	6.0
S	1.6	1.1	.6	.2							3.4	4.5
SEW	1.2	1.7	1.4	.3							4.7	5.5
SW	2.7	2.3	.2	.1							4.7	3.9
WSW	1.2	.5	.5								2.9	4.7
W	1.2	3.1	1.8	1.0	.1						7.7	6.2
WNW	2.7	3.2	2.2	2.0	.3						9.8	7.3
W	1.2	2.9	2.3	1.1	.3						7.7	7.6
WNW	1.1	1.8	1.6	.4							4.7	6.2
VARIABLE												
CALM	////////////////////////////////////										26.1	////
TOTALS	18.4	26.6	19.3	6.2	.8						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 714096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(1511: 0500-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.6	2.6	3.2	1.0	.1							8.4	7.0
NNE	1.1	1.1	.9	.6								3.7	6.2
NE	.6	.6	1.2	.7	.1	.1						4.2	6.0
NNE	1.7	1.9	2.2	1.1	.1							6.3	7.4
E	1.1	3.2	2.6	1.4								8.3	7.0
ESE	.9	.7	.7	.1								2.4	5.4
SE	1.7	.7	.2	.3								2.9	5.4
ESE	.1	.7	.9									2.1	5.7
S	1.7	1.1	.7	.2								3.7	5.6
SSE	.6	1.1	1.2	.2	.1							3.2	6.3
SE	.5	1.6	1.3	.4								3.8	6.6
SSE	.7	1.7	1.4	.3	.1							4.4	6.5
W	1.4	3.4	2.3	1.6	.7							9.1	7.4
WSW	1.7	3.4	2.9	2.3		.1						9.8	8.1
SW	1.7	1.9	3.9	2.4	.7							9.9	8.7
WSW	.7	1.7	1.7	1.1								4.4	7.4
VARIABLE													
CALC	////////////////////											15.2	////
TOTALS	15.7	24.7	29.1	13.1	1.2	.2						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS: 140

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724396 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS (LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.5	2.7	3.2	1.8	.2	.1					8.2	8.6
NNE	.9	1.4	1.1	.7							4.1	6.2
NF	.7	1.0	1.0	1.0	.2						4.8	8.2
ENE	.4	1.3	2.4	1.0	.1	.1					5.4	8.6
E	.7	1.9	4.8	2.2	.2						9.9	8.6
ESE	.6	1.0	1.1	.3							3.0	6.6
SE	.3	1.1	1.2	.2							2.9	6.9
SSE	.7	.6	.7	.2							2.1	5.8
S	.7	1.4	1.3	.4							3.8	6.7
SSW	.7	.9	1.1	.7							2.9	6.4
SW	.6	1.2	1.2	1.6	.2						5.0	9.2
WSW	.0	1.4	1.8	.7							4.1	7.6
W	1.7	2.7	2.6	2.7	.4	.2					10.7	9.2
WNW	1.2	1.4	2.0	1.0	.4	.2					9.2	9.6
NW	1.0	2.5	3.0	4.1	1.0	.1					12.3	9.7
NNW	.5	2.0	3.1	2.5		.1					8.9	9.2
VARIABLE												
CALM	////////////////////										2.4	////
TOTALS	11.7	23.6	34.8	21.1	1.0	1.0					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS: 900

CLIMAT CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 73-87  
MONTH: APR HOURS(EST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40		
N	.3	1.2	2.6	1.9					6.0	8.9
NNE	.3	.8	1.4	.4					3.0	7.7
NE	.8	1.7	1.0	.1	.1				3.3	6.0
NNE	.6	.9	2.0	.9	.6				4.9	9.4
E	1.7	2.2	3.6	2.1	.4				9.7	8.3
ESE	.2	1.4	1.8	.2					3.7	6.8
SE	.7	.4	1.6	.2					2.6	7.6
SSE	.1	.7	.7	.1	.1				1.7	8.0
S	.7	1.0	2.0	1.0	.1				4.4	8.9
SSW	.2	.4	1.7	1.7	.6				4.6	11.1
SW	.4	.4	2.4	2.0	.4				5.2	10.4
WSW	.7	1.2	2.0	.4	.2				4.3	8.6
W	1.1	2.2	5.0	3.1	.7				12.1	9.3
WNW	.7	3.4	3.4	5.3	1.7	.4	.1		15.2	11.0
WW	.3	1.4	4.6	3.6	1.2	.1			11.2	10.6
WNW	.4	1.7	1.6	2.4	.3	.2			5.7	10.1
VARIABLE										
CALC	////////////////////////////////////								.9	////
TOTALS	7.0	21.0	37.4	25.0	5.4	.2	.1		100.7	9.3

TOTAL NUMBER OF OBSERVATIONS: 900

CLIMATOLOGY BRANCH  
USAF/CIAG  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724796 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 79-87  
MONTH: APR HOURS/DAY: 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.1	1.1	1.6	2.2	.1						6.2	8.7
NNE	.3	1.2	.4	.1							2.1	1.4
NE	.7	1.2	1.4									1.1
NNE	.4	1.3	2.2	.6	.1						4.7	1.5
E	.6	1.7	4.2	1.6							7.1	1.7
ESE	.7	1.1	1.7	1.1	.1						4.7	1.4
SE	.1	1.9	2.3	.7							4.0	1.6
ESE	.1	1.1	1.1	.4							2.7	1.1
S	.7	1.2	1.6	1.1	.2	.1					3.0	1.5
SSW	.3	.6	1.8	1.4	.2						4.3	1.6
SW	.2	1.4	2.0	1.2	.4						5.1	1.4
WSW	.7	1.1	.7	1.7	.1						4.4	1.3
W	1.2	3.2	4.4	3.6	.2	.1					12.7	2.2
WNW	.7	2.2	2.6	5.4	1.7	.3	.2				17.7	11.7
W	.4	2.2	4.8	3.2	.9						12.6	2.4
WNW	.1	1.7	1.6	2.2	.2	.1					5.9	1.7
VARIABLE												
CAL"	////////////////////////////////////										1.3	////
TOTALS	4.0	23.7	35.1	24.7	4.3	.7	.2				100.0	9.1

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
HAFETAC  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74496 STATION NAME: MCUIRE AFB TX

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(IST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.8	1.8	1.7	1.2	.2						5.7	8.1
NNE	.1	1.1	.7								1.9	5.8
NW	.7	.9	.3	.3							2.2	6.0
NNE	.4	1.7	1.2	.4							3.9	6.7
E	1.0	3.9	3.1	.6							8.6	6.4
ESE	1.4	1.6	1.6	.1							4.7	5.5
E	1.6	1.7	1.0	.2							4.4	5.2
ESE	2.0	2.3	.8	.2							5.3	4.7
E	1.0	5.3	2.2	.4	.1						10.3	5.4
ENE	.8	1.6	1.4	.7							4.4	6.7
ENE	.7	2.2	1.2	.6							4.9	6.4
ENE	1.1	3.1	1.2	.4							5.9	5.9
E	1.5	3.5	2.7	.8	.2						8.6	6.6
ENE	1.0	2.0	2.6	1.5	.6	.1					8.3	8.8
ENE	.4	2.5	4.3	.4	1.0	.1					9.6	8.9
ENE	1.7	1.7	3.4	.4	.1	.1					7.4	7.5
VARIABLE												
CALM	////////////////////										4.8	////
TOTALS	17.3	34.6	29.8	9.6	2.2	.3					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS: 300

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72490 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 7A-97  
MONTH: APR HOURS (LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.7	3.1	1.3	1.1	.2						6.4	7.1
NNE	.1	1.0	.3								1.7	5.4
NE	.3	1.7	1.1	.4							3.6	6.7
NNE	.6	2.5	1.4	.2							4.1	6.5
E	1.1	2.3	1.7	.7							5.8	6.4
ESE	1.3	1.3	.7	.2							3.6	4.5
SE	1.3	.6	.6	.4							2.9	5.5
SSE	1.7	.4	.2	.2							2.6	4.3
S	3.2	3.0	1.9	.2							8.9	4.7
SSW	1.8	3.1	1.7	.5							7.1	5.5
SW	1.3	2.7	.9	.1							5.0	4.7
WSW	1.6	2.1	.5	.2							4.8	4.9
W	1.6	1.5	1.6	.8							5.8	6.3
WSW	1.2	2.4	2.6	1.4	.6						9.2	7.9
W	1.1	2.7	2.3	1.4	.3	.1	.1				7.3	8.6
WNW	.9	2.1	2.8	1.6							7.3	7.8
VARIABLE												
CALM	////////////////////////////////////										15.0	////
TOTALS	20.2	24.9	21.9	9.7	1.1	.1	.1				103.0	5.3

TOTAL NUMBER OF OBSERVATIONS: 920

U. S. AIR FORCE CLIMATE/CLIMATE BRANCH  
 WAFB TAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 774 90 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 78-87  
 MONTH: APR MONTHS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50		
0	0.0	0.1	0.2	1.3	0.1	0.7					6.6	7.7
15	0.4	1.1	0.7	0.3							2.5	6.5
30	0.7	1.7	1.1	0.5	0.1	0.0					3.7	6.9
45	0.7	1.5	1.9	0.6	0.1	0.0					4.9	7.4
60	1.1	2.6	2.9	1.3	0.1						8.0	7.3
75	0.7	1.0	1.0	0.4	0.0						3.1	6.3
90	0.7	0.5	1.0	0.0							2.9	6.2
105	0.4	0.4	0.6	0.0	0.0						2.5	5.7
120	1.5	2.0	1.4	0.5	0.1	0.0					5.5	6.1
135	1.1	1.4	1.4	0.7	0.1						4.7	6.9
150	0.9	1.7	1.3	0.7	0.1						4.9	7.1
165	1.1	1.4	1.2	0.5	0.1						4.1	6.5
180	1.4	2.5	3.0	1.5	0.3	0.1					9.2	7.9
195	1.1	2.7	2.7	2.9	0.7	0.0	0.0				17.3	9.3
210	0.9	2.4	3.2	2.2	0.7	0.1	0.0				9.5	9.1
225	0.4	1.8	2.2	1.6	0.1	0.1					6.6	8.3
VARIABLE												
CALM	////////////////////										11.1	////
TOTALS	29.5	27.2	28.1	15.2	2.5	0.4	0.1				100.0	6.8

TOTAL NUMBER OF OBSERVATIONS: 7700

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724791 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(LEST): 0000-0200

DIRECTION (DUF0000FS)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.3	2.7	1.4	.1							6.5	5.0
NNE	.9	.9	1.4	.1							3.2	5.9
NNE	.9	.9	.3	.1							2.2	4.9
NNE	.6	.9	1.5	.6							3.7	7.1
E	1.5	1.2	1.3	.4							4.4	5.8
ESE	1.3	.6	.2								2.2	3.6
SE	1.7	.2	.1								2.0	2.9
SSE	1.1	1.0	.4								2.7	4.2
S	2.6	1.6	1.6								5.8	4.3
SSW	2.3	3.7	1.1	.2							7.7	4.7
SW	4.3	3.8	.8	.4							9.2	4.3
WSW	2.4	2.5	.2								5.1	3.9
W	2.4	3.7	.5								6.6	4.0
WNW	1.2	.9	.3	.2							2.7	5.4
W	1.7	1.2	.1	.3	.1						3.4	5.5
WNW	1.1	2.0	1.4	.1							4.7	5.4
VARIABLE												
CALC	////////////////////////////////////										28.9	////
TOTALS	28.4	27.6	13.1	2.7	.1						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 774096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(IST): 0100-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.9	3.4	1.8								8.2	4.6
NNE	1.9	.3	.2	.3							2.8	4.0
NE	1.1	1.2	.6	.5							3.5	6.3
NNE	1.3	1.7	1.8	.4							5.3	5.9
E	1.2	.9	.5	.2							2.8	4.7
ESE	1.2	.4	.3								1.9	3.6
SE	1.2	.4									1.6	2.5
SSE	1.1	1.3	.5								2.9	4.6
S	1.9	1.0	1.0								3.9	4.4
SSW	2.7	1.8	1.4	.2							5.5	5.1
SW	2.7	2.5	.8	.2							6.1	4.4
WSW	1.4	1.4	.3								4.7	3.9
W	2.7	2.4	.5								5.8	3.8
WSW	.6	2.4	1.0	.5							3.5	6.6
W	1.7	2.7	1.1	.2							4.6	5.2
WNW	1.3	1.1	1.0	.2							3.5	5.3
VARIABLE												
CALM	////////////////////////////////////										34.7	////
TOTALS	26.7	23.9	13.7	2.9							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS: 932

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCCUIRE AFB NJ

PERIOD OF RECORD: 7A-87  
MONTH: MAY HOURS(LOCAL): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-2	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.9	3.1	4.2	.6							9.9	6.2
NNE	1.4	1.5	2.3	.6							5.8	6.6
NE	1.1	1.2	1.4	.9							4.5	6.5
ENE	1.0	1.2	2.3	.6							5.8	6.4
E	1.6	2.4	.5	.2							4.8	4.7
ESE	1.1	.9	.4	.1							2.5	4.7
SE	1.0	.2	.2								2.2	3.9
SSE	1.4	1.4	.3								3.1	3.9
S	2.2	2.2	.9	.5							5.7	5.0
SSW	2.0	2.0	1.4	.5							6.0	5.4
SW	1.9	2.2	2.8	.4							7.3	6.1
WSW	2.2	2.6	1.2	.2							6.1	5.0
W	1.1	2.4	1.2	.2							6.1	6.0
WSW	.2	2.2	1.1	1.7							5.8	7.1
W	.9	2.2	1.2	.9							5.3	6.7
WNW	1.3	1.6	1.1	.5	.1						4.8	6.5
VARIABLE												
CALC	////////////////////////////////////										14.4	////
TOTALS	22.4	20.2	23.1	2.6	.1						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS: 929

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-P7  
MONTH: MAY HOURS(IST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.4	2.6	3.1	1.9							9.0	7.6
NNE	.9	2.0	1.5	1.0	.2						5.8	7.8
NE	.9	2.0	2.2	1.0							6.0	7.2
NNE	.9	1.6	1.7	.2	.1						4.5	6.1
E	1.4	2.2	1.7	1.1							6.3	6.5
ESE	1.0	1.6	1.0	.1	.2						3.9	6.0
SE	.6	1.4	.6								2.7	5.2
SSE	.6	.7	1.7	.3							3.5	6.5
S	.6	1.0	2.0	.2							3.7	6.6
SSW	.9	1.6	1.3	.8							4.5	6.9
SW	.4	1.6	3.0	1.5	.1						6.7	6.7
WSW	1.1	2.4	3.2	1.3	.1						8.1	7.5
W	1.6	2.6	4.1	1.7	.7						10.4	7.4
WNW	1.0	2.0	2.6	1.7	.2						7.6	6.0
WW	1.4	2.3	2.0	1.0	.1						7.4	7.7
WNW	1.6	1.6	2.4	1.2							6.9	7.0
VARIABLE												
CALM	////////////////////////////////////										2.9	////
TOTALS	16.5	29.5	34.2	15.7	1.4						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS: 930

CLIMATE CLIMATOLOGY BRANCH  
USAF/TAC  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724796 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS (LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.2	2.3	3.7	.6	.1						7.7	7.2
NNE	.9	1.1	1.6	1.0							4.5	7.6
NE	.6	1.0	1.9	.6							4.2	7.2
NNE	1.0	.9	1.9	.6							4.4	7.1
E	.9	1.5	2.6	.6	.1						5.6	7.5
ESE	1.6	1.4	1.3	.2							5.1	6.6
SE	.5	1.2	.9								2.6	6.3
ESE	.4	1.3	1.1	.4							3.2	6.9
S	.6	.8	2.3	.4							4.5	7.7
SSW		1.0	1.5	1.1	.1						3.7	9.0
SW	.4	.9	3.5	1.6	.5						7.1	9.7
SSW	.5	2.7	3.7	2.2		.1					9.7	9.0
W	1.4	4.1	4.2	2.4	.7						13.7	7.9
WNW	.9	2.2	2.6	2.5	.5						8.0	9.0
W	.3	3.1	3.0	2.7	.6						9.7	8.8
WNW	.9	1.4	1.7	1.0	.1						4.6	7.9
VARIABLE												
CLM	////////////////////										2.3	////
TOTALS	12.2	26.7	37.1	14.1	2.5	.1					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS: 93

GLD370 CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCCUIRE AFB TX

PERIOD OF RECORD: 79-87  
MONTH: MAY HOURS(IST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-7	8-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50		
N	1.5	2.3	1.6	.9	.2						6.3	6.4
NNE	.2	1.4	1.0	.5							3.1	7.9
NE	.3	.5	.9	.7							2.4	7.1
NNE	.4	1.2	1.3	.8							3.6	7.7
E	1.2	2.0	3.5	.9							7.3	6.9
ESE	1.2	1.5	1.6	.1							4.7	5.7
SE	.5	2.0	1.2	.3							4.2	5.9
SSE	.4	1.7	1.7	.4							4.3	6.9
S	.5	2.6	3.6	1.1							8.7	7.4
SSW	.2	.9	1.7	.5							3.3	9.0
SW	.5	.5	2.7	1.5	.2						6.1	9.3
WSW	.5	1.9	3.4	2.6	.1						8.9	8.5
W	1.4	3.5	5.4	2.7							13.3	8.0
WNW	1.2	1.7	3.1	2.7							8.6	8.7
W	.8	2.7	1.9	1.9	.3						7.0	6.5
WNW	1.1	1.6	1.8	1.4	.4						5.4	8.6
VARIABLE												
CPM	////////////////////										3.3	////
TOTALS	12.4	24.1	35.7	18.1	1.3						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS: 930

JOINT CLIMATOLOGY BRANCH  
 WSAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
 MONTH: MAY HOURS/LEST: 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
0	0.7	1.7	0.9	1.7							4.7	7.1
09E	0.5	1.0	0.6	0.7							2.5	6.6
09L	0.9	0.9	0.7	0.7							2.7	6.1
18E	0.6	1.0	1.6	0.7							3.5	6.4
0	1.7	2.6	2.0	0.7	0.7						6.6	5.9
09E	0.0	2.4	1.0	0.7							5.5	4.5
09L	2.0	2.7	1.2	0.7							6.5	4.8
09E	1.7	2.9	1.1								5.7	4.8
0	0.5	2.0	4.4	0.5							15.9	5.4
09W	1.7	2.6	0.9	0.5							5.7	5.3
09W	0.0	1.0	1.5	0.7	0.7						4.2	5.4
09W	1.2	2.7	1.9	0.7							5.5	5.9
0	1.0	2.0	2.5	0.9							6.2	6.1
09W	0.5	1.0	2.0	0.7	0.7						3.7	7.7
09W	1.9	2.2	1.5	0.5	0.7						5.4	7.1
09W	0.9	0.9	1.0	0.7							3.1	6.8
VARIABLE												
CALM	////////////////////										9.2	////
TOTALS	22.1	77.7	24.2	5.7	0.8						103.0	5.2

TOTAL NUMBER OF OBSERVATIONS: 470

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(DST): 2100-2300

[illegible]

TOTAL NUMBER OF OBSERVATIONS: 230

WORLD CLIMATOLOGY BRANCH  
HAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 774096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(EST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.7	2.6	2.4	.8	.0						7.4	6.3
NNE	.9	1.1	1.1	.6	.0						3.7	6.8
NE	.7	1.1	1.1	.5							3.4	6.5
ENE	.9	1.7	1.6	.5	.0						4.7	6.6
E	1.4	1.6	1.7	.5	.0						5.4	6.1
ESE	1.4	1.4	.6	.1	.0						3.4	4.9
SE	1.7	1.7	.6	.1							3.7	4.4
SSE	1.2	1.5	.9	.2							3.8	5.2
S	0.7	2.6	2.3	.4							7.5	5.5
SSW	1.6	2.7	1.4	.5	.0						5.9	5.7
SW	1.7	2.4	2.1	.2	.1						7.3	6.4
WSW	1.5	2.1	1.6	.5	.0	.0					6.3	6.5
W	1.6	2.1	2.4	1.0	.1						8.3	6.5
WNW	.9	1.5	1.6	1.7	.1						5.4	7.7
WW	1.0	1.7	1.5	1.0	.0						5.6	7.3
WNW	1.0	1.0	1.7	.2	.1						4.5	6.8
VARIABLE												
SPLN	////////////////////										14.2	////
TOTALS	21.5	29.2	29.6	5.1	.4	.0					117.0	5.4

TOTAL NUMBER OF OBSERVATIONS: 7424

CLIMATE BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 714096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
 MONTH: JUL HOURS (LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	0.0	0.0	0.0	0.0							7.2	5.7
NNE	0.0	0.0	0.0								1.9	5.0
NF	1.1	0.7	0.3								2.1	3.6
ENE	1.0	0.7	0.6								2.2	4.4
E	1.0	0.7									2.2	2.3
ESE	0.9	0.7									1.1	2.6
SE	1.0	0.7									1.7	2.2
SSE	1.1	0.4									1.6	2.6
S	4.3	2.1	1.3	0.2							9.0	4.2
SSW	4.9	4.4	1.0	0.1							11.3	4.3
SW	3.0	2.0	0.4	0.1							7.7	3.9
WSW	0.0	1.0	0.2	0.2							4.3	4.1
W	1.0	0.1	0.6	0.4							4.9	4.8
WNW	0.0	1.0	0.7	0.4							3.4	5.9
WW	1.0	1.0	0.8								3.2	4.9
WNW	1.0	1.1	0.9		0.1						3.1	5.5
VARIABLE												
CAL"	////////////////////////////////////										33.3	////
TOTALS	28.5	25.7	10.7	1.0	0.1						100.0	2.9

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH  
USAF/CLAL  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72450 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS(IST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	0.0	2.6	.9								5.7	4.5
NNW	.3	.9	.2								1.9	3.9
NW	.7	.7	.7								2.0	5.3
ENE	1.9	.7	.2								2.8	2.9
E	1.6	1.2	.3								3.1	3.8
ESE	.6	.7									.9	2.9
SE	1.7										1.3	1.9
ESW	1.8	.1									1.9	2.2
S	0.7	1.7	.0								5.2	3.1
SSW	4.7	3.6	1.3								9.1	3.9
SW	6.4	2.4	.2	.1							6.7	3.8
WSW	0.0	0.1	.6								4.9	3.8
W	1.7	0.7	.2								4.6	4.0
WNW	.4	1.0	.7	.1							3.1	5.6
WW	1.9	1.7	.4	.2							4.2	4.5
NNW	1.3	2.4	.9	.2							3.9	5.2
VARIABLE												
CALM	////////////////////										38.8	////
TOTALS	29.1	24.4	7.0	.7							100.0	2.4

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724746 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 7A-87  
MONTH: JUN HOURS(EST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.6	2.7	2.4	.7	.1							9.5	6.0
NNE	1.6	1.4	1.0									4.0	4.6
NE	1.2	2.0	.6	.2								4.0	5.0
NNE	2.4	1.6	.9	.1								5.0	4.3
E	2.0	2.6	.6	.1								4.2	4.1
ESE	1.2	.7	.1									1.7	2.9
SE	1.2	.4										1.4	2.4
SSE	1.2	.6										1.9	2.9
S	2.2	1.0	.3									4.6	3.7
SSE	2.7	3.2	1.4	.1								7.6	4.7
SW	2.1	3.6	2.7	.2								9.6	5.3
WSW	1.6	3.6	1.6	.6								7.7	5.6
W	2.3	3.7	1.4	.3								7.8	5.4
WNW	1.2	1.6	1.0	.6								4.1	6.3
NW	1.6	2.2	1.6	.7								6.4	5.9
NNW	1.7	2.2	2.2	.4								6.7	6.1
VARIABLE													
CALM	////////////////////											15.0	////
TOTALS	29.6	72.4	18.6	4.7	.1							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS (LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.9	2.3	2.7	2.0							7.9	8.0
NNE	1.7	2.1	1.3	.3							5.1	5.6
NE	1.4	1.8	1.3								4.6	4.9
ENE	.6	1.0	.7								2.2	5.4
E	1.6	3.0	.9	.0							5.7	5.0
ESE	0.3	1.2	.7								4.2	3.9
SE	.4	.9	.1								1.4	4.3
ESE	.9	.3	.4								1.7	4.5
S	1.2	2.0	.6	.0							4.0	5.0
SSW	1.3	1.4	1.4	.4							5.1	5.5
SW	1.2	3.0	2.8	.9							7.9	6.5
WSW	1.9	3.0	4.1	1.2	.2						10.4	7.2
W	0.6	3.8	3.4	1.9							11.7	6.6
WNW	1.9	2.1	1.9	1.3	.1						6.9	7.3
W	1.4	4.1	2.6	1.1							9.2	6.6
WNW	1.1	1.8	2.2	1.6							6.7	7.6
VARIABLE												
CALC	////////////////////////////////////										5.4	////
TOTAL	21.1	33.0	27.1	11.2	.3						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAF/CLTAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS (LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.1	2.9	2.0	1.7	.1						7.1	6.9
NNE	.9	1.3	.8	.2							3.2	5.6
NE	.4	1.0	1.0	.3							2.8	6.2
ENE	.3	.8	1.4	.2							2.8	7.2
E	1.1	2.9	1.7	.1							5.8	5.3
ESE	1.0	1.1	.3								2.4	4.1
SE	.4	1.3	.1								1.9	4.6
SSE	.6	1.0	.4								2.2	4.8
S	1.1	2.9	.8								4.7	4.6
SSW	1.0	2.9	1.7	.2							5.8	5.6
SW	.9	3.4	3.1	1.7							9.1	7.4
WSW	1.1	3.6	4.4	1.7							11.9	7.6
W	1.9	5.2	5.1	2.3	.3						14.9	7.5
WNW	1.1	3.4	2.1	2.6	.1						9.3	7.9
W	1.2	2.8	2.8	1.0	.3						8.1	7.3
NNW	.7	1.3	2.6	1.3	.2						6.1	6.2
VARIABLE			.1								.1	9.0
CALM	////////////////////////////////////										2.7	////
TOTALS	15.1	39.4	30.4	12.9	1.1						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 COMETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 79-87  
 MONTH: JUN HOURS(IST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-7	8-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50		
N	.4	1.9	1.1	1.1							4.9	7.2
NNE	.4	.2	.7	.1							1.4	5.8
NW	.7	1.0	.4								2.1	5.2
ENE	.7	2.0	1.0	.2							3.9	5.9
E	.9	2.6	1.4	.2							5.1	5.8
ESE	1.7	2.1	.9	.1							4.7	4.7
SE	.4	2.1	.4								3.7	4.9
SSE	1.2	1.2	.6								3.6	4.6
S	2.4	4.1	2.0	.1							8.7	5.1
SSW	1.0	2.7	2.0	.9							6.6	6.4
SW	.4	2.7	3.7	1.0							7.8	7.4
WSW	.9	2.2	4.9	1.6	.1						9.7	7.9
W	1.4	3.7	5.3	2.3	.6						13.3	8.2
WNW	1.6	1.0	2.2	.9	.3						6.9	7.3
NW	1.1	1.7	3.2	1.7	.1						7.7	8.0
NNW	1.7	2.6	2.0	1.6	.2						9.3	7.4
VARIABLE												
CALM	////////////////////////////////////										1.9	////
TOTALS	17.0	35.2	32.1	17.0	1.3						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS: 200

GLOBAL CLIMATOLOGY BRANCH  
USAF/CIAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 714094 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS(1511): 1800-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.1	2.7	1.2	.7							5.3	6.3
NNE	.6	.7	.3								1.2	5.0
NE	.7	1.0	.9	.2							2.8	5.9
NNE	.6	.6	.7								1.9	5.7
E	1.7	2.3	1.0								5.0	4.9
ESE	1.4	1.2	.1								2.9	3.5
SE	3.1	2.0	.1								5.2	3.3
SSE	3.8	4.0	.2								8.1	3.5
S	7.4	7.1	2.3	.1							17.0	4.2
SSW	3.3	2.2	1.4	.1							3.1	4.5
SW	2.2	3.3	1.9								7.4	5.0
WSW	1.4	2.6	.9								4.9	4.9
W	1.8	2.7	1.7	.7	.2						6.3	5.9
WNW	2.2	1.7	1.3	.6	.1						5.9	6.1
WW	1.4	2.2	1.1	.7	.1						5.6	6.2
WNW	1.2	2.4	1.3	.1							5.1	5.5
VARIABLE												
CEL"	////////////////////////////////////										7.4	////
TOTALS	33.5	35.7	16.7	6.0	.4						100.7	4.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 70-87  
MONTH: JUN HOURS(IST): 2100-2300

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL %	MEAN WIND
N	2.3	2.4	1.2	.6								6.6	5.3
NNE	.7	.8	.2									1.2	4.5
NE	.6	.7	.4									1.3	5.2
ENE	.7	.4	.6									1.9	5.1
E	3.2	.8	.6	.1								4.4	3.7
ESE	1.2	.4										1.7	2.3
SE	1.7											1.7	1.8
SSE	2.6	1.4										4.0	2.9
S	8.6	6.2	1.7									16.4	3.8
SSW	5.4	4.7	2.2	.7								12.6	4.3
SW	4.4	3.3	.9	.1								8.8	3.9
WSW	2.1	2.7	.7	.2								5.7	4.5
W	2.3	1.3	.7	.7								4.8	4.0
WNW	1.7	.7	.3	.1	.1	.1						3.2	5.3
W. 1/2 N	.7	.8	.4	.1								2.2	4.7
WNW	.9	1.6	.3	.2	.1							3.1	5.4
VARIABLE													
CALM	29.4	22.1	10.1	2.6	.7	.1						20.4	////
TOTALS	79.4	22.1	10.1	2.6	.7	.1						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS: 960

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724796 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 79-87  
MONTH: JUN HOURS (LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.6	2.6	1.7	.8	.0						6.6	6.2
NNE	.8	1.0	.7	.1							2.5	5.1
NL	.8	1.1	.7	.1							2.7	5.2
ENE	1.0	1.0	.8	.1							2.8	5.0
E	1.7	1.8	.8	.1							4.4	4.6
ESE	1.3	.9	.2	.0							2.4	3.7
SE	1.3	.9	.1								2.3	3.4
SSE	1.7	1.2	.2								3.1	3.6
S	3.8	3.6	1.2	.1							8.7	4.2
SSW	3.0	3.3	1.7	.3							8.3	4.7
SW	2.4	3.2	2.0	.5							9.1	5.5
WSW	1.7	2.7	2.2	.7	.0						7.3	6.2
W	2.0	3.1	2.3	1.0	.1						9.5	6.4
WNW	1.7	1.9	1.3	.8	.1	.0					5.4	6.8
NW	1.3	2.1	1.6	.7	.1						5.9	6.4
NNW	1.2	1.8	1.6	.7	.1						5.4	6.6
VARIABLE				.0							.0	9.0
CALM	////////////////////////////////////										15.6	////
TOTALS	26.9	32.7	19.0	6.0	.5	.0					100.0	4.6

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATELOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724046 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 74-87  
MONTH: JUL HOURS(UT): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.3	2.2	.6	.1								6.2	4.5
NNE	.9	1.0		.1								1.9	4.1
NE	.6	.4	.7									1.4	4.5
NNE	1.0	.5										1.5	3.3
E	1.2	.3										1.5	2.4
ESE	.6	.1	.1									.9	3.4
SE	.6	.1										.6	2.3
ESE	1.1	.2	.1									1.5	3.1
S	4.7	2.0	.2									7.1	3.2
SSW	6.1	2.8	.5	.2								9.9	3.6
SW	4.9	4.2	.4									9.6	3.6
WSW	2.5	2.7	.4									5.2	3.7
W	1.6	2.2	.6	.1								4.5	4.3
WNW	1.5	1.6	.7									3.4	4.0
NW	1.7	2.0	.2									4.1	4.0
WNW	2.7	1.4	.1									3.9	3.3
VARIABLE													
CALM	////////////////////											36.9	////
TOTALS	33.4	24.1	4.6	.5								103.0	2.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MFC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724396 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 72-87  
MONTH: JUL HOURS (LST): 0300-0500

DIRECTION (DIRECTIONS)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.4	1.7	1.3	.2								5.6	4.7
NNE	.6	.8	.1									1.5	4.1
NE	1.3	.2	.1									1.6	2.9
NNE	1.0	.1										1.1	2.3
E	1.1	1.0	.1									2.2	3.4
ESE	1.1	.1	.2									1.4	3.3
SE	.9	.2										1.1	2.3
ESE	1.0	.2	.1									1.4	2.9
S	3.4	2.0	.8									6.3	3.3
SEW	4.6	3.2	.2	.1	.1							8.3	3.5
SW	3.7	1.9	.2									5.8	3.2
SWW	2.6	1.9										4.5	3.2
W	4.0	2.2	.5									6.7	3.4
WNW	2.7	1.9	.1									4.7	3.7
W	2.7	1.0	.4									4.1	3.5
WNW	1.6	1.0	.1	.1								2.8	3.5
UNAVAILABLE													
CALC	////////////////////////////////////											41.6	////
TOTALS	33.4	27.2	4.1	.4	.1							100.0	2.0

TOTAL NUMBER OF OBSERVATIONS: 920

CLIMATE CLIMATOLOGY BRANCH  
USAF/CLAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 774096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 79-87  
MONTH: JUL HOURS(EST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.6	4.7	2.4	.5								9.6	5.6
NNE	.8	1.4	.9	.3								3.3	5.8
NE	1.5	1.9	.6									4.1	4.4
ENE	1.4	.9	.3									3.0	3.6
E	2.7	1.3	.3									3.7	3.4
ESE	.9	.7	.3									1.4	3.5
SE	.5	.5	.2	.1								1.6	4.5
SSE	.9	.3	.2									1.4	3.4
S	2.4	1.5	.3									4.2	3.3
SSW	2.2	2.4	.1	.1								6.6	4.5
SW	2.8	4.7	1.2	.2	.2							9.1	4.9
WSW	2.1	3.7	.9									7.0	4.4
W	2.5	2.4	.6	.1								6.7	4.3
WNW	2.7	2.7	.5	.1								5.7	4.4
NW	1.4	4.7	1.0	.4								5.4	5.8
NNW	2.1	1.4	1.3	.2								5.6	4.7
VARIABLE													
CALM	////////////////////////////////////											21.7	////
TOTALS	19.1	34.7	12.2	2.3	.2							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS: 220

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-P7  
MONTH: JUL HOURS (LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.0	3.5	2.5	.4	.1						10.2	5.6
NNE	1.7	2.0	2.4	.1							5.9	6.1
NE	2.3	2.0	.0								5.1	4.0
ENE	.9	1.1	.6								2.6	4.6
E	2.5	2.3	1.2								5.9	4.3
ESE	.8	.4	.2								1.4	3.9
SE	1.0	1.5	.5								3.0	4.2
SSE	1.7	1.0	.9	.1							3.2	4.8
S	2.2	1.6	.6								4.4	4.2
SSW	1.6	3.0	1.1	.1							5.8	4.8
SW	1.3	3.4	1.8	.3							6.9	5.7
WSW	1.3	3.7	2.2	.9							7.8	6.2
W	2.2	5.5	2.3	.4							11.0	5.3
WNW	2.4	3.1	2.3	.3							8.1	5.6
NW	1.6	1.9	1.9	.6							6.1	6.3
NNW	.8	2.0	1.4	1.2							5.4	7.3
VARIABLE												
CLM	////////////////////////////////////										7.3	////
TOTALS	26.7	38.6	23.0	4.4	.1						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS: 930

CLIMATE CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704096 STATION NAME: MCQUINN AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS (LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.8	3.8	2.2	.5							8.3	5.8
NNE	1.2	1.7	.6	.1							3.4	5.2
NE	1.1	1.3	.5	.3							3.2	4.9
NNE	.2	.9	.2	.1							1.4	5.2
E	1.1	1.5	1.2	.2							3.9	5.5
ESE	1.5	1.4	.8	.1							3.8	4.3
SE	.8	1.3	.5								2.6	4.7
SE	1.3	1.6	.5	.1							3.2	4.9
S	2.7	2.2	1.6	.3							6.8	4.9
SSW	1.4	2.4	2.4	.2							6.3	6.1
SW	1.3	2.4	3.0	.5							9.0	6.5
WSW	1.3	3.9	2.9	.6							8.7	6.4
W	1.5	4.7	3.8	.9							10.9	6.4
WW	1.4	2.7	3.9	.6							8.6	6.8
WN	1.5	2.8	2.3	.6							8.2	6.2
WNW	1.3	3.7	1.7	.5	.1						7.0	6.1
VARIABLE												
CALM	////////////////////										4.7	////
TOTALS	21.5	74.2	26.1	5.8	.1						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS: 251

AD-A188 317

MCGUIRE AFB NEW JERSEY REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS (U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A. DEC 87

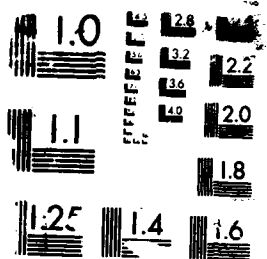
2/4

UNCLASSIFIED

USAFETAC/DS-87/002

F/G 4/2

NL



RESOLUTION TEST CHART

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 7A-87  
MONTH: JUL HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND SPEED
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.6	3.0	2.4	.5							7.5	6.1
NNE	.3	.0	.6	.1							2.0	6.1
NE	.9	.4	.4								1.7	4.1
ENE	.4	1.1	.4	.1							2.0	5.1
E	1.2	2.0	1.2	.2							4.6	5.1
ESE	.0	1.4	1.0	.1							3.3	5.1
SE	2.7	2.7	1.3	.1							6.3	4.1
SSE	1.1	2.9	.6	.1							4.7	4.1
S	1.9	5.3	2.5	.3							10.0	5.1
SSW	.9	3.1	3.0	.3							7.3	6.1
SW	1.3	3.4	3.7	.1							8.5	6.1
WSW	.9	3.8	3.3	.6							8.5	6.1
W	1.5	4.0	4.3	1.2	.1						11.1	7.1
WNW	1.7	2.6	2.2	1.0							7.0	6.1
NW	1.0	2.5	2.9	.7							6.7	6.1
NNW	1.3	1.6	1.6	.8	.1						5.6	6.1
VARIABLE												
CALM	////////////////////										3.0	////
TOTALS	16.5	40.0	31.5	5.9	.2						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/CLAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS(IST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.6	2.4	1.1	.3							6.4	4.6
NNE	.2	.9	.3	.1							1.5	6.0
NE	.3	.5	.2								1.1	4.6
ENE	.9	.3	.1								1.2	3.4
E	1.5	1.4	.5	.2							3.7	4.6
ESE	2.2	.6	.4								3.2	3.4
SE	2.4	1.4	.2	.1							4.1	3.6
SSE	5.6	2.9	.5								9.1	3.3
S	8.7	6.7	1.9	.3							17.7	3.9
SSW	4.6	3.9	1.1	.1							9.7	4.0
SW	2.7	2.9	1.4	.2							7.2	4.7
WSW	1.5	2.9	.8	.2		.1					5.4	5.5
W	1.9	2.5	.9	.1							5.4	4.5
WNW	1.5	1.4	.9	.3							4.1	5.3
NW	1.2	1.5	.4								3.2	4.0
NNW	1.6	1.9	.9	.4							4.8	5.4
VARIABLE												
CALM	////////////////////										12.3	////
TOTALS	39.4	34.1	11.6	2.5		.1					100.0	3.8

TOTAL NUMBER OF OBSERVATIONS: 926

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724094 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS(IST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.8	1.9	1.0								3.7	5.3
NNE	.6	.4	.6								1.7	4.8
NE	.2	.6	.1	.1							1.1	5.8
ENE	.4	.1	.1								.6	3.5
E	2.2	.3									2.5	2.1
ESE	1.0	.4									1.4	2.7
SE	1.5	.5									2.0	2.5
SSE	2.7	1.0									3.7	2.8
S	9.2	5.2	.9								15.2	3.3
SSW	7.3	6.5	1.3	.2							15.3	3.8
SW	2.0	3.6	.9								7.4	4.1
WSW	1.7	2.0	.2								4.7	3.6
W	2.6	1.3	1.0								4.9	3.9
WNW	.5	1.1	.3	.1							2.0	5.1
NW	.5	1.4	.3								2.3	5.2
NNW	1.3	1.3	.3								2.9	4.2
VARIABLE												
CALM	////////////////////										29.2	////
TOTALS	35.6	27.7	7.0	.4							100.0	2.7

TOTAL NUMBER OF OBSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724094 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 7A-87  
 MONTH: JUL HOURS(IST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.1	3.7	1.7	.3	.0						7.2	5.4
NNE	.7	1.1	.7	.1							2.7	5.4
NE	1.0	.9	.4	.1							2.4	4.3
ENE	.9	.6	.2	.0							1.7	4.1
E	1.6	1.3	.6	.1							3.5	4.2
ESE	1.1	.6	.4	.0							2.1	4.0
SE	1.2	1.0	.3	.0							2.7	4.1
SSE	1.8	1.3	.4	.0							3.5	3.8
S	4.4	3.4	1.1	.1							9.0	3.9
SSW	3.6	3.6	1.3	.2	.0						8.6	4.4
SW	2.7	3.5	1.6	.2	.0						8.0	4.9
WSW	1.9	3.0	1.3	.3		.0					6.4	5.3
W	2.3	3.2	1.7	.3	.0						7.6	5.2
WNW	1.6	2.0	1.3	.3							5.4	5.5
W	1.5	2.7	1.3	.3							5.0	5.5
WNW	1.5	1.0	.9	.4	.0						4.7	5.4
VARIABLE												
CALM	////////////////////////////////////										19.6	////
TOTALS	29.8	32.5	15.3	2.5	.1	.0					100.0	3.9

TOTAL NUMBER OF OBSERVATIONS: 7435

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
 MONTH: AUG HOURS(IST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.0	2.4	1.2	.3							5.9	4.9
NNE	.5	1.1	.2								1.8	4.4
NE	.9	.8	.5								2.2	4.2
NNE	.8	.9	.3								1.9	4.4
E	1.5	.5	.1								2.2	2.7
ESE	.8										.8	1.6
SE	.8	.1									.9	2.0
SSE	1.7	.4									1.7	2.7
S	5.4	3.2	.5								9.1	3.4
SSW	5.5	4.2	.3								10.0	3.4
SW	3.9	4.0	.3	.1							8.2	3.9
WSW	2.3	2.9	.8	.1							6.0	4.2
W	4.0	1.9	.2								6.1	3.2
WNW	1.7	1.7	.4								3.4	4.3
NW	.5	.6	.2								1.4	4.4
WNW	.9	1.7	.5								2.4	4.5
VARIABLE												
CALM	////////////////////										36.0	////
TOTALS	32.0	25.7	5.7	.5							100.0	2.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	4.1	3.7	.6								8.1	3.7
NNE	.6	1.2	.2								2.0	4.2
NE	.9	1.0	.3	.2							2.3	5.2
ENE	1.0	1.0	.2	.1							2.3	4.2
E	1.2	.5	.2								1.9	3.2
ESE	.5										.5	2.0
SE	.6	.1									.9	2.4
SSE	1.2	.4									1.6	2.5
S	4.9	2.0	.3								7.3	3.1
SSW	3.0	3.7	.5								7.4	3.9
SW	3.4	2.8	.4								6.7	3.7
WSW	2.4	2.0	.3								4.7	3.7
W	3.1	1.6									4.7	3.0
WNW	1.0	1.4	.2								2.6	4.0
NW	2.7	1.5	.1								4.3	3.3
NNW	1.9	1.9	.5	.1							4.5	4.2
VARIABLE												
CALC	////////////////////////////////////										38.3	////
TOTALS	37.6	24.6	4.1	.4							100.0	2.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	3.2	5.7	2.7	.1							11.2	5.1
NNE	1.4	2.0	1.4	.2							5.1	5.3
NE	1.7	1.9	.8	.2							4.2	5.2
ENE	1.0	1.9	.3	.3							3.5	5.1
E	1.5	.2	.6								2.4	3.7
ESE	.8	.2									1.0	2.3
SE	.5	.3	.1								1.0	3.8
SSE	1.1	.1									1.2	1.9
S	3.7	2.4	.5								6.6	3.5
SSW	2.7	4.0	1.3	.1							8.1	4.5
SW	3.2	3.4	.6	.3							7.7	4.2
WSW	1.1	2.6	.8								4.4	4.9
W	2.6	2.6	.8	.1							6.3	4.2
WNW	1.6	2.4	.2								4.2	3.7
NW	1.5	2.3	.5	.1							4.7	4.9
NNW	2.4	1.8	1.0	.2							5.4	4.6
VARIABLE												
CALM	////////////////////////////////////										23.4	////
TOTALS	29.6	33.3	11.9	1.7							100.0	3.4

TOTAL NUMBER OF OBSERVATIONS: 737

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(IST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.9	5.1	3.2	.9							11.1	6.0
NNE	2.0	2.6	1.9	.2	.1						6.9	5.6
NE	1.6	3.1	1.7	.9	.1						7.4	6.4
NNE	1.2	2.5	1.0	.1	.1						4.8	5.5
E	1.1	1.7	1.4								4.2	5.2
ESE	1.3	.9	.2								2.4	3.3
SE	1.1	.5	.2								1.8	3.4
SSE	.8	.9									1.6	3.7
S	1.3	1.9	.5								3.9	4.3
SSW	1.2	4.1	1.3	.1							6.7	5.2
SW	1.6	4.6	2.9	.3							9.5	5.7
WSW	1.5	3.0	2.7	.2							7.4	5.9
W	1.4	4.7	2.7	.3							9.7	5.8
WNW	1.6	2.9	1.4	.4							6.3	5.6
NW	1.6	2.8	1.3	.8							6.5	5.9
NNW	1.4	1.7	1.0	.9							4.9	6.3
VARIABLE												
C/LM	////////////////////										6.0	////
TOTALS	22.6	42.6	23.4	5.1	.3						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS (LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.2	3.1	2.3	.9							8.4	5.8
NNE	.6	1.6	1.1	.3	.2						3.9	7.0
N E	.9	1.4	.8	.3	.1						3.4	6.7
ENE	.8	1.5	2.5		.2						4.9	7.0
E	1.2	1.9	1.6	.4	.1						5.3	6.2
ESE	1.1	1.3	.3								2.7	4.1
SE	.5	.9	.4								1.8	4.9
SSE	.4	.9	.3								1.9	4.3
S	.9	2.3	1.6								4.7	5.4
SSW	1.3	3.1	1.7	.1							6.2	5.4
SW	1.1	3.0	3.4	.3							7.8	6.5
WSW	1.7	3.0	2.9	1.2							8.8	6.5
W	2.4	6.0	3.4	1.5							13.3	6.3
WNW	1.9	3.5	2.4	.9							8.7	6.1
NW	1.6	4.2	1.4	1.3							8.6	6.3
NNW	1.7	2.3	1.0	1.2							5.7	6.6
VARIABLE												
CALM	////////////////////										3.7	////
TOTALS	27.1	40.1	27.1	4.4	.6						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS: 730

GLOBAL CLIMATOLOGY BRANCH  
 LSAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
 MONTH: AUG HOURS (LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.4	2.8	1.6	.7							6.1	5.9
NNE	.4	.6	.4	.1	.2						1.8	7.1
NF	.3	.6	.0	.6							2.5	8.0
ENE	.4	2.0	1.1	.2	.1						3.9	6.7
E	1.0	2.4	2.2	.2							5.7	6.1
ESE	1.0	2.5	.8								4.2	5.0
SE	.7	2.0	.6								4.3	4.8
SSE	1.6	3.3	.8	.1							5.8	4.6
S	1.9	4.3	1.8	.1							8.2	5.0
SSW	1.4	2.9	2.4	.2							6.9	5.8
SW	1.4	2.6	2.0	.2							6.2	5.8
WSW	.9	3.2	2.6	.6							7.3	6.5
W	2.5	4.3	3.3	.3							10.8	5.7
WNW	2.7	3.0	1.9	.9							9.2	5.6
NW	1.6	3.5	1.3	1.4							7.8	6.4
NNW	2.0	1.7	.8	.5							5.2	5.3
VARIABLE												
CPLM	////////////////////										4.1	////
TOTALS	21.8	43.4	24.4	5.5	.3						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724090 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-96  
MONTH: AUG HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.5	1.6	.9	.2							4.1	4.3
NNE	.9	.5	.5	.4							1.9	6.9
NE	1.1		.6	.1							1.8	4.7
NNE	.6	1.4	.8								2.8	5.0
E	2.7	1.3	.3								3.8	3.5
ESE	2.9	1.7									4.6	2.9
SE	1.9	2.2									4.0	3.5
SSE	3.4	1.9	.5								5.9	3.6
S	10.2	5.3	1.7								20.2	3.7
SSW	4.1	3.9	1.5								9.7	4.0
SW	2.5	3.0	.5								6.0	4.1
WSW	2.5	1.6	.5								4.6	3.7
W	1.2	3.1	.4	.1							5.6	4.1
WNW	.9	1.7	.4								3.0	4.7
NW	1.0	1.4	.5	.3							3.2	5.5
NNW	2.3	.5	.4								3.5	3.5
VARIABLE												
CALM	////////////////////////////////////										15.2	////
TOTALS	39.8	24.5	9.4	1.2							100.0	3.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS (LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.7	1.7	.8	.4								4.2	5.3
NNE	.8	.9	.1	.1								1.8	4.5
NE	1.4	.8	.7	.7								2.7	4.4
ENE	1.0	.6		.1								1.7	3.4
E	1.3	.3	.3									1.9	3.6
ESE	1.3	.4										1.7	2.4
SE	1.4	.2										1.6	2.2
SSE	3.0	.9	.1									4.2	2.7
S	6.7	4.8	.9									12.4	3.5
SSW	6.3	4.5	1.1	.2								16.1	4.0
SW	2.8	1.4	.7	.1								8.6	4.2
WSW	2.8	4.0	.7									5.2	3.6
W	1.7	1.4	.4	.1								3.7	3.9
WNW	1.7	.6	.2	.1								2.3	4.3
NW	.5	.9	.2									1.6	4.2
NNW	.4	1.6	.1									2.2	4.2
VARIABLE													
CALM	////////////////////											28.2	////
TOTALS	34.6	30.6	5.2	1.4								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/CIAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(1ST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.3	3.1	1.6	.4							7.4	5.2
NNE	.9	1.7	.7	.2	.1						3.2	5.7
NE	1.0	1.2	.7	.3	.0						3.3	5.7
ENE	.9	1.5	.8	.1	.1						3.2	5.5
E	1.4	1.1	.8	.1	.0						3.4	4.8
ESE	1.2	.9	.2								2.2	3.5
SE	1.0	.9	.2								2.0	3.7
SSE	1.7	1.1	.2	.0							3.0	3.5
S	4.4	3.7	1.0	.0							9.0	3.8
SSW	3.2	4.3	1.3	.1							8.9	4.4
SW	2.5	3.6	1.3	.2							7.6	4.8
WSW	1.9	2.6	1.4	.3							6.1	5.1
W	2.5	3.2	1.4	.3							7.4	5.0
WNW	1.5	2.3	.9	.3							5.0	5.2
NW	1.4	2.2	.7	.5							4.9	5.5
NNW	1.6	1.6	.7	.4							4.2	5.0
VARIABLE												
CALM	////////////////////////////////////										19.4	////
TOTALS	29.1	34.4	13.9	3.1	.2						100.0	3.9

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724296 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	5.2	3.3	.9								9.4	3.6
NNE	1.1	1.4	.9								3.4	4.9
NE	2.1	1.8	.8	.7							4.9	4.3
ENE	1.3	1.1	.9								3.3	4.7
E	1.2	.6	.6	.2							2.6	5.1
ESE	.6	.2	.1	.1							1.0	4.3
SE	.4	.1	.1	.1							.9	5.0
SSE	1.0	.1	.1								1.2	2.9
S	1.9	1.1	.1								3.1	3.1
SSW	3.7	3.6	1.3								8.6	4.2
SW	2.3	3.8	1.0	.1							7.2	4.5
WSW	2.4	2.9		.2							5.8	3.7
W	2.3	1.5	.1								4.0	3.4
WNW	1.3	1.1	.4								2.9	4.3
W	.8	1.4	1.0								3.2	5.4
NNW	1.2	1.0	.6	.2							3.0	5.0
VARIABLE												
CALM	////////////////////////////////////										35.6	////
TOTALS	29.3	25.0	8.9	1.2							100.0	2.7

TOTAL NUMBER OF OBSERVATIONS: 200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(IST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	4.7	3.9	1.1	.1							9.8	4.1
NNT	1.1	2.4	.8								4.3	5.0
NE	1.4	3.1	.6	.1							5.2	4.5
ENE	2.0	.6	.7	.2							3.4	4.2
E	1.3	.2	.3	.1	.1						2.7	4.6
ESE			.2								.2	8.5
SE	.6										.6	2.0
SSE	.7	.1		.1							.9	4.0
S	1.7	1.2	.6	.1	.1	.1					3.8	5.5
SSW	2.9	1.4	.8	.2	.1						5.4	4.4
SW	3.4	2.8	.6								6.8	3.7
WSW	2.9	2.4	.1	.1							5.6	3.5
W	1.3	1.1	.7	.1							3.2	4.2
WNW	.7	1.3	.7	.1							2.8	5.4
NW	.9	2.0	.7		.1						3.7	5.3
NNW	1.4	1.7	.2	.1							3.4	4.0
VARIABLE												
CALM	////////////////////////////////////										38.2	////
TOTALS	27.0	24.9	7.9	1.4	.4	.1					100.0	2.7

TOTAL NUMBER OF OBSERVATIONS: 700

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724J96 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(IST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	3.1	3.9	1.8	.6	.2						9.6	5.3
NNE	2.2	3.2	2.4	.2							8.1	5.5
NE	2.7	2.4	2.2	.4							7.4	5.3
ENE	1.9	1.6	1.3	.2		.2					5.2	5.9
E	1.7	.6	.1	.1							2.4	3.7
ESE	.6	.2									.9	2.3
SE	1.0	.3									1.3	2.2
SSE	.7	.6									1.2	3.6
S	2.0	1.4	.6	.6							4.6	5.0
SSW	1.4	2.2	.4	.1							4.2	4.5
SW	3.0	2.0	1.0	.3							6.6	4.5
WSW	1.9	2.4	1.3	.2							5.9	5.0
W	1.6	1.0	1.0								4.4	4.5
WNW	1.0	1.0	1.0	.4							3.4	6.2
NW	.9	2.7	1.0								4.6	5.2
NNW	1.9	1.4	.7		.1						4.4	4.8
VARIABLE												
CALM	////////////////////										25.8	////
TOTALS	27.3	28.0	14.9	3.2	.3	.2					100.0	3.7

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724996 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LOCAL): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.2	3.7	4.4	1.3	.1						11.8	6.7
NNE	1.7	2.0	2.6	.7		.1					7.0	6.3
NE	1.9	2.6	2.7	1.3							8.4	6.5
ENE	2.1	1.6	2.8	.3							7.2	6.3
E	1.1	2.1	1.7	.4							5.3	6.2
ESE	1.1	1.1	.3	.1							2.7	4.4
SE	.7	1.2	.2								2.1	4.2
SSE	.4	.6	.4	.1							1.5	5.6
S	1.4	1.2	1.1	.2							4.0	5.3
SSW	1.2	1.9	2.6	.2							5.9	6.3
SW	.4	2.9	1.6	.2	.1						5.6	6.0
WSW	1.2	2.6	2.6	.3	.2						7.1	6.8
W	1.7	4.7	2.1	1.1							8.9	6.5
WNW	1.1	1.7	.9	.7	.1			.1			4.8	7.6
WW	.8	1.8	2.3	1.0	.1						6.0	7.9
WNW	.9	1.7	1.4	1.1	.3	.1					5.3	8.4
VARIABLE												
CALL	////////////////////////////////////										6.3	////
TOTALS	19.6	33.7	29.7	5.7	1.0	.2		.1			100.0	6.1

TOTAL NUMBER OF OBSERVATIONS: 230

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724796 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS (LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.7	2.6	3.0	.9	.1						8.1	6.9
NNE	1.1	2.7	1.1	.8							5.7	6.0
NE	.7	1.9	2.6	.4	.1						5.7	7.3
ENE	1.6	1.6	1.7	1.3							6.1	6.7
E	1.0	2.0	2.2	.9							6.0	6.4
ESE	.9	.9	.4	.1							2.3	5.0
SE	.2	1.4	.2								1.9	5.0
SSE	.3	.9	.3								1.6	5.2
S	1.3	3.0	1.4	.6							6.3	5.9
SSW	.8	2.1	2.0	.2							5.1	6.4
SW	.2	2.4	2.0	.8							5.4	7.3
WSW	.9	3.0	3.0	.9	.1						8.7	6.9
W	1.7	4.0	3.3	.9		.7					10.1	6.7
WNW	1.9	2.7	2.4	1.4	.3			.1			8.9	7.8
NW	1.2	2.7	3.3	1.3	.1						8.0	7.6
NNW	.6	1.7	1.0	.9	.2						4.8	8.1
VARIABLE												
CALM	////////////////////										5.3	////
TOTALS	15.7	35.4	30.5	11.3	1.0	.7		.1			100.0	6.5

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMREP: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS (LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.1	2.9	2.2	1.4							7.7	7.2
NNE	1.2	1.2	1.6	.3							4.3	6.2
NE	.7	1.2	1.3	.2							3.4	6.2
ENE	.6	2.4	2.0	.4							5.4	6.4
E	1.3	4.2	2.7								7.9	5.6
ESE	1.2	2.6	.3								4.1	4.3
SE	.6	2.0	.9								3.4	5.5
SSE	.8	2.2	.8								3.8	5.0
S	1.9	2.2	2.2	.7							6.6	5.9
SSW	1.4	3.2	1.7	.3							6.7	5.4
SW	2.7	3.4	2.1	.5	.1						9.6	6.1
WSW	.9	3.0	2.4	.2							6.6	6.3
W	1.9	3.6	2.3	.7	.2	.1					8.7	6.6
WNW	1.1	1.6	1.7	1.0		.1					5.4	7.3
NW	.8	1.4	2.2	.4	.1						6.3	7.2
NNW	1.0	1.7	2.1	1.2	.1						6.1	7.7
VARIABLE												
CALM	////////////////////////////////////										5.7	////
TOTALS	18.2	39.2	29.2	7.6	.6	.2					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC      FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724096    STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
 MONTH: SEP    HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.1	3.3	2.2	.4							7.1	5.9
NNE	1.1	.7	.6								2.3	4.7
NE	.3	1.3	1.0								2.7	5.5
ENE	.9	2.6	.9								4.3	5.2
E	3.7	2.3	.7								6.0	3.6
ESE	2.6	.7									3.2	2.6
SE	3.2	1.2	.1								4.6	3.0
SSE	3.4	2.9									6.3	3.2
S	5.3	7.8	1.8	.2							15.1	4.3
SSW	4.1	4.0	1.1	.1							9.3	4.2
SW	2.1	1.4	.7								4.2	4.3
WSW	1.7	1.4	.2								3.3	3.7
W	1.9	2.2	.6	.7							5.0	4.8
WNW	1.1	1.4	.4	.2							3.2	4.8
Wd	.7	1.9	.6	.2							3.3	5.3
WNW	1.2	1.1	.3	.3							3.0	5.3
VARIABLE												
CAL	////////////////////										16.9	////
TOTALS	33.6	36.3	11.1	1.7							102.0	3.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724796 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(IST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.7	2.9	1.2									6.4	4.6
NNE	.7	1.3	.2	.4								2.7	5.7
NE	1.3	2.1	1.3	.3								5.1	5.4
ENE	1.4	2.5	.6									4.2	4.6
E	1.6	.7	.2	.3								2.8	4.4
ESE	1.1	.1	.1	.1								1.4	3.2
SE	1.2	.9	.2									2.2	3.4
SSE	1.6	.1										1.7	2.1
S	2.9	2.3	.3									5.6	3.6
SSW	3.9	5.0	1.4	.1								11.7	4.4
SW	3.4	4.8	1.0									9.2	4.1
WSW	1.7	1.0	.2	.2								2.9	4.6
W	1.2	1.7	.1	.1								3.1	4.1
WNW	.4	1.0	.6	.2								2.4	5.5
NW	1.1	1.4	.7	.3								3.9	5.7
NNW	1.7	1.7	.3	.0								3.6	4.6
VARIABLE													
CALM	////////////////////											31.1	////
TOTALS	26.8	30.7	9.1	2.4								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS: 700

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724090 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(IST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.6	3.7	2.1	.6	.1						8.7	5.5
NNE	1.3	1.9	1.3	.3		.2					4.7	5.6
NE	1.3	2.1	1.6	.4	.2						5.4	5.7
ENE	1.5	1.7	1.4	.4		.2					4.9	5.7
E	1.5	1.7	1.0	.2	.2						4.5	5.1
ESE	1.0	.7	.2	.1							2.0	3.9
SE	1.0	.9	.2	.2							2.1	3.9
SSE	1.1	.9	.2	.2							2.3	3.9
S	2.3	2.5	1.0	.2	.2	.2					6.1	4.8
SSW	2.4	3.0	1.5	.2	.2						7.1	4.8
SW	2.2	2.9	1.2	.3	.2						6.7	5.0
WSW	1.7	2.5	1.2	.2	.2						5.7	5.4
W	1.6	2.6	1.3	.4	.2	.2					5.9	5.6
WNW	1.1	1.5	1.0	.5	.1	.2		.2			4.2	6.6
NW	.9	1.9	1.6	.4	.1						4.9	6.5
NNW	1.2	1.5	.9	.5	.1	.2					4.2	6.3
VARIABLE												
CALM	////////////////////////////////////										20.5	////
TOTALS	24.7	71.1	17.7	4.4	.4	.1		.2			100.0	4.3

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH  
 LSAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
 MONTH: OCT HOURS(LST): 0700-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.7	3.7	.6	.3							7.3	5.2
NNE	.8	2.8	1.1	.3	.1						5.1	5.8
NE	2.7	1.6	.8	.4							5.5	4.5
ENE	.2	.6	.6	.1							1.6	6.9
E	.2	.2	.6								1.1	6.7
ESE	.8	.1									.9	2.3
SE	.3	.2									.5	2.8
SSE	.9	.5									1.4	3.0
S	2.0	1.9	.6								4.5	4.2
SSW	3.0	2.4	1.3								6.7	4.2
SW	3.1	2.0	.8	.4							6.5	4.5
WSW	2.6	1.9	.6	.2	.1						5.5	4.5
W	3.3	3.8	1.7	.9	.1						9.8	5.2
WNW	1.0	1.1	1.2	.6							3.9	6.8
NW	.9	1.0	.8	.4							3.0	5.9
NNW	1.0	1.3	.4	.1							3.8	4.2
VARIABLE												
CALM	////////////////////////////////////										33.1	////
TOTALS	25.7	25.2	11.2	4.3	.3						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724296 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(IST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	4.1	4.7	1.1	.6								9.8	4.6
NNE	1.2	2.4	1.7	.2	.2							5.7	6.2
NF	1.8	2.4	1.7	.3								6.2	5.4
ENE	.3	.6	.2									1.2	5.1
E	.2	.7	.6	.2								1.5	7.6
ESE	.3	.1										.4	2.3
SE	.4	.4	.1									1.0	3.7
ESE	.2	.4	.1									1.3	3.6
S	2.8	2.3	.5									5.6	3.7
SSW	1.6	1.4	.8									3.8	4.5
SW	1.7	2.2	1.2									5.2	4.7
WSW	2.3	2.0	.4	.4	.1							5.3	4.8
W	2.7	4.4	1.8	.2	.1							9.2	5.2
WNW	.9	1.2	1.3	.2	.1							3.7	6.6
NW	.3	1.2	1.1	.3								3.3	6.2
NNW	1.0	1.3	.2									2.5	4.2
VARIABLE													
CALM	////////////////////											34.4	////
TOTALS	22.8	26.7	12.9	2.7	.5							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS: 955

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(IST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	3.1	3.1	1.4	.5								8.2	4.9
NNE	1.7	3.7	2.6	1.1	.1							9.0	6.5
NE	1.6	2.3	2.6	.3								7.1	6.1
NNE	.4	.8	.4									1.6	5.2
E	.5	.9	.4	.3	.1							2.3	6.6
ESE	.4	.4	.1									1.0	4.1
SE	.8	.2	.1									1.1	2.8
SSE	1.7	.4										2.2	2.9
S	1.9	1.7	.6									4.3	4.0
SSW	2.3	2.2	.5									4.9	4.0
SW	1.6	3.3	1.3	.1								6.3	5.1
WSW	2.5	1.8	1.3	.2								5.8	4.6
W	1.4	3.9	2.2	.6	.1							8.5	6.0
WNW	.9	2.3	2.0	.5								6.0	7.0
W	.6	1.1	1.4	.3								3.9	6.8
NNW	1.5	1.7	.5	.1								4.1	4.6
VARIABLE													
CALM	////////////////////											23.7	////
TOTALS	23.4	29.7	18.4	4.5	.3							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS: 250

GLOBAL CLIMATOLOGY BRANCH  
USAF/CIAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724795 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.1	3.1	4.1	1.1							9.4	7.2
NNE	1.0	1.5	3.4	.6	.3						7.2	7.4
NF	.9	2.5	3.8	1.2	.1						8.3	7.5
FNE	.6	.8	2.5	1.2							5.1	8.2
E	.5	1.2	1.4	.3	.2	.1					3.8	8.0
ESE	.9	.9	.5	.1							2.3	5.2
SE	.4	.9	.3								1.5	4.7
ESE	.4	1.2	.3	.1							2.0	5.5
S	1.1	1.4	1.1	.1							3.7	5.4
SSW	.4	3.0	1.5	.2							5.5	6.4
SW	1.7	2.6	2.4	.6	.3						7.7	6.5
WSW	.9	2.6	2.6	1.1							7.1	7.3
W	1.6	2.7	3.2	1.5	.4						8.9	8.0
WNW	.5	2.7	3.5	1.6	.2						8.0	8.5
WC	1.2	1.3	3.5	2.5	.2	.1					8.9	8.8
WNW	.5	1.1	2.3	1.2	.1						5.2	8.5
VARIABLE												
CLIP	////////////////////////////////////										5.6	////
TOTALS	17.9	25.1	36.6	17.5	1.9	.7					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724094 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS (LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.4	3.0	1.8	.5							6.8	5.9
NNE	1.2	1.5	2.0	.8	.4	.1					6.0	7.8
NE	1.8	1.7	1.6	1.2							4.9	7.6
ENE	.8	.4	2.2	.9							4.4	7.8
E	.6	1.3	2.4	.6							4.9	7.2
ESE	.1	2.0	.8								2.9	6.1
SE	.7	1.1	.3		.1						1.7	6.3
SSE	.1	1.1	.8	.1							2.2	6.6
S	.6	1.9	1.1	.5							4.2	6.4
SSW	.5	1.5	1.8	.5							4.1	6.9
SW	1.6	2.5	2.8	2.3	.2						9.4	7.5
WSW	1.2	2.2	3.0	1.2							7.6	7.2
W	1.2	2.2	4.5	4.4	.5						12.8	9.4
WNW	1.4	1.8	2.9	2.4	.2	.2					8.9	8.7
NW	.2	1.4	4.1	2.4	.3						9.8	9.0
NNW	1.2	1.5	1.4	1.3	.2						5.4	7.9
VARIABLE												
CALM	////////////////////										4.2	////
TOTALS	13.5	27.1	32.2	14.6	2.7	.5					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH  
USAFCTAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724996 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33		
N	1.7	3.1	1.8	.5				7.2	5.8
NNE	1.0	1.0	1.4		.2			3.5	6.4
NE	.5	1.3	.9	.9				3.4	7.1
ENE	.5	1.1	1.5	.4				3.5	6.7
E	1.6	2.9	2.9	.5				8.0	6.0
ESE	.9	1.4	.5					2.8	4.6
SE	.9	1.1	.1					2.0	4.1
SSE	.6	1.9	.6	.1				3.3	5.3
S	1.2	2.3	1.8	.2				5.5	6.1
SSW	1.7	2.9	1.0	.4				5.9	5.1
SW	.5	2.5	2.9	.9	.1			7.2	6.8
WSW	.9	2.6	2.3	1.4				7.1	7.1
W	2.3	2.9	4.3	2.2	.1			11.6	7.3
WNW	1.0	2.2	2.5	2.4	.5	.1		8.9	9.1
NW	.8	1.9	2.4	1.4	.2			6.7	8.1
NNW	1.3	1.6	1.7	1.2	.1			5.9	7.0
VARIABLE									
CALM	////////////////////							7.3	////
TOTALS	17.6	32.4	28.9	12.4	1.3	.1		100.0	6.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS (LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.0	1.0	1.4	.5	.2						4.9	7.0
NNE	.4	1.1	.5	.1							2.2	5.5
NE	1.2	.5	.6	.4							2.7	5.9
NNE	1.6	1.4	.8	.1							3.9	4.9
E	3.1	1.6	.4	.1							5.3	3.5
ESE	1.4	.5									1.9	2.4
SE	2.3	.5									2.8	2.5
SSE	2.5	1.7									4.2	3.2
S	5.6	4.9	1.0	.1							12.5	4.1
SSW	3.2	3.2	.3								6.8	3.7
SW	2.4	2.0	1.1	.5							6.9	5.0
WSW	1.7	2.0	.6	.2		.1					4.9	5.5
W	1.3	2.7	1.4	.6	.2						6.8	5.9
WNW	1.6	1.4	1.3	1.2							5.5	6.6
NW	.5	1.0	1.1	.3	.1						4.0	6.4
NNW	1.0	1.0	.6	.1	.1						3.5	5.4
VARIABLE												
CALC	////////////////////////////////////										21.7	////
TOTALS	31.4	37.1	12.4	4.4	.6	.1					100.0	3.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 CUFFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724796 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 77-86  
 MONTH: OCT HOURS(EST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.7	3.7	1.3	1.3	.1						8.5	6.1
NNE	1.0	1.0	.9	.2	.1						4.0	5.7
NE	2.2	1.0	.5	.4							4.9	4.8
NNE	1.6	.9	.1	.1							2.7	3.8
E	1.4	.6	.8								2.8	4.2
ESE	.9	.6									1.5	3.1
SE	.5	.2									.7	2.6
SSE	1.7	.6									2.6	2.7
S	2.4	2.0	1.3	.1							7.6	4.2
SSW	1.7	3.1	1.4	.1							6.6	4.9
SW	2.6	2.9	.9		.1						6.5	4.5
WSW	2.5	1.0	1.7	.4	.1						6.6	5.4
W	2.0	2.5	1.3	.3	.3						7.0	5.6
WNW	.9	1.6	1.2	.6	.2						4.5	7.2
W	.9	1.7	.5	.2							3.1	5.6
NNW	.4	.7	.8	.2							2.0	6.4
VARIABLE												
CALC	////////////////////										28.4	////
TOTALS	26.4	27.7	12.6	4.1	1.0						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS: 930

CLIMATE CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS (LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	0.1	3.7	1.7	.7	.0						7.8	5.8
NNE	1.7	2.0	1.7	.4	.2	.7					5.3	6.6
NE	1.5	1.7	1.6	.6	.0						5.4	6.2
NNE	.4		1.0	.7							3.0	6.4
E	1.0	1.1	1.2	.3	.0	.7					3.7	6.0
ESE	.7	.4	.2	.7							1.7	4.3
SE	.7	.4	.1		.7						1.4	3.8
ESE	1.1	1.7	.2	.0							2.4	4.1
S	2.3	2.4	1.1	.1							6.0	4.6
SSW	1.5	2.4	1.1	.7							5.5	4.9
SW	1.9	2.6	1.7	.6	.1						6.9	5.7
SSW	1.5	2.1	1.6	.6	.0	.7					5.2	5.9
W	1.2	3.1	2.6	1.3	.2						9.3	6.8
WSW	1.7	1.7	2.0	1.2	.2	.7					6.2	7.9
W	.4	1.4	1.5	1.1	.1	.3					5.3	7.7
WSW	1.1	1.7	1.0	.7	.1						4.0	6.3
VARIABLE												
REF	////////////////////										19.7	////
TOTALS	21.3	25.7	20.8	10.2	1.0	.1					100.3	4.9

TOTAL NUMBER OF OBSERVATIONS: 7447

GENERAL CLIMATOLOGY BRANCH  
COMPTAG  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724094 STATION NAME: MCCLUIKE AFB TX

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(IST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.1	3.7	1.8	.4								7.6	5.5
NNE	.5	1.8	1.6	.8								4.7	6.7
N.	.5	1.1	1.7	.3								3.6	6.3
NNE	1.4	1.7	2.0	.3								4.9	6.1
E	.4	1.7	.7	.2	.1							2.4	7.0
ESE	.4	.7		.2								1.0	6.0
SE	.4	.1										.6	5.8
SSE	.7	.7	.1									1.1	7.9
S	2.7	3.4	1.7	.1								6.6	4.7
SSE	2.2	2.7	.7	.2								5.4	4.6
SW	1.6	1.4	.7	.3								4.0	5.1
SSW	1.4	2.2	1.1									4.4	4.7
W	2.4	3.7	2.7	1.1	.7							9.9	6.4
WSW	1.1	2.7	3.2	1.3								8.7	7.1
W	1.1	2.7	1.4	.5								5.8	6.5
WNW	1.5	2.1	1.7	.4	.1							5.9	6.2
VARIABLE													
CALM	////////////////////											27.3	////
TOTALS	27.4	28.4	19.9	4.0	.5							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS: 922

GLOBAL CLIMATOLOGY BRANCH  
USAF/CIAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704094 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(IST): 0100-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-7	8-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	0.3	0.4	1.2	.4							8.0	4.7
NNE	.4	0.7	1.1	.6	.1						4.6	6.4
NE	1.2	1.7	1.7	.7							4.9	5.8
NNE	.3	1.7	0.0	.7							4.6	7.0
E	1.1	.7	1.0	.4							3.2	6.1
ESE	.5	.1	.1								.9	3.1
SE	.7	.3	.1								.7	4.5
ESE	.6	.7	.1								.9	3.5
S	0.7	1.7	.6	.7							4.7	4.4
SEA	1.7	1.6	.4	.4							4.7	5.1
SW	1.7	1.6	.8	.6							4.9	5.4
SSW	1.2	1.7	.5	.1	.1						5.0	5.2
W	0.7	1.1	2.7	.4							8.7	6.2
WSW	1.2	0.7	1.4	1.4	.2	.1					7.0	7.8
W	1.1	1.0	3.2	.7							6.9	6.9
WSW	1.1	1.6	1.8	.7	.2						5.3	7.1
VARIABLE												
GRM	////////////////////										25.8	////
TOTALS	20.7	25.1	19.4	7.6	.7	.1					100.0	4.8

TOTAL NUMBER OF OBSERVATIONS: 527

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724196 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(ELST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.7	3.6	2.3	.6		.1					9.2	5.6
NNE	1.3	2.0	2.0	.2							5.6	5.6
NE	1.4	1.6	1.7	.4							5.2	5.8
NNE	.7	1.3	1.1	.7							3.8	7.1
E	.6	.9	1.8	.3							3.4	7.2
ESE	.4	.7	.1								.2	4.3
SE	.2	.6									.8	4.3
SSE	.4	.4	.1								1.2	3.4
S	.7	1.4	1.0								3.2	4.8
SSW	1.4	1.7	.7	.6							4.2	5.2
SW	1.5	2.1	.6	.4							5.2	5.2
SSW	2.6	2.4	1.2	.7							6.2	5.5
W	2.0	3.7	2.1	1.9	.1						7.7	6.7
WSW	1.4	3.0	2.7	1.1	.1						8.2	7.0
WW	1.1	1.0	1.8	.9	.2						5.4	7.2
WNW	1.2	1.2	1.0	1.2							4.7	7.7
VARIABLE												
CAL"	////////////////////										22.7	////
TOTALS	25.7	27.1	19.8	7.9	.4	.1					100.0	4.7

TOTAL NUMBER OF OBSERVATIONS: 900

JOINT CLIMATOLOGY BRANCH  
USAF/CLAC  
AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704070 STATION NAME: MCQUIR AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(EST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33		
N	1.2	2.7	3.7	2.7	.7			10.9	8.5
NNE	.3	2.7	1.9	.3				5.2	6.5
NE	.9	2.7	2.1	.9				6.9	7.0
ENE	.3	2.1	1.7	1.3				5.9	7.2
E	.7	1.6	2.1	.7	.2			4.3	7.4
ESE	1.1	.7	.7					2.5	5.2
SE	.7	.3	.4					1.4	5.4
SSE	.3	.7	.8	.7				2.5	5.5
S	.7	1.1	.6	.7				2.6	5.7
SSW	1.0	1.3	1.6	.2				4.1	6.3
SW	.3	.7	2.3	.2	.1	.1		4.1	6.2
WSW	.7	1.7	3.1	1.3				6.8	6.1
W	2.1	2.6	3.9	7.1	.6			12.1	6.4
WNW	1.1	1.7	7.0	7.4	.7			8.8	6.7
W	.4	1.3	7.4	2.7	.6	.1		9.5	6.8
WNW	.4	1.7	2.0	2.5	.3	.1		5.2	9.6
VARIABLE									
CLIM	////////////////////							6.0	////
TOTAL	12.4	24.7	34.0	1.0	2.7	.3		100.0	7.3

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 774094 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LEST): 1200-1400

DIRECTION (BY GUST)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.1	3.7	2.7	1.7	.1							8.4	7.0
NNE	.7	1.7	1.6	.4								4.8	6.9
NE	.4	.9	1.0	.4								3.9	8.2
NNE	.7	1.7	1.7	.7								4.7	7.5
E	1.7	1.7	2.2	1.0	.1							5.7	7.5
ESE	.4	.4	.4	.1								2.6	5.9
SE	.1	.7	.7									1.3	6.1
ESE	.7	1.7	.6	.1								2.7	5.4
S	.7	1.4	1.0	.7								4.1	7.2
SSE	1.7	.9	1.1	.9	.1							4.2	6.9
SE	1.7	1.4	2.2	1.0		.1						6.2	7.3
SSE	.7	1.7	2.1	1.7	.7							5.8	8.8
S	1.4	2.7	4.3	3.4	.4							13.2	8.9
SSE	.4	1.7	3.4	7.7	.4	.1						10.2	9.9
SE	1.0	1.4	5.8	7.4	1.7	.7						13.1	10.5
SSE	.4	1.7	2.8	2.4	.7							7.1	10.1
VARIABLE													
GRU	////////////////////											3.3	////
TOTAL	17.1	22.4	34.4	22.7	3.7	.6						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS: 804

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(1ST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.7	2.4	3.6	1.1	.2						9.0	7.5
NNE	.3	1.6	.9	.2							3.0	6.4
NE	.2	1.6	1.2	.4							3.4	7.1
NNE	.2	1.0	1.9	.4							3.5	7.9
E	1.1	2.4	2.0	.5	.1						6.6	6.5
ESE	1.1	1.6	1.0								3.7	5.2
SE	.7	.7	.7								2.0	4.8
ESE	.7	1.7	.4								2.4	4.9
S	1.5	2.4	1.1	.5							5.7	5.6
SSE	1.2	1.6	1.3	.4	.1						4.7	6.5
SE	1.4	1.4	1.2	.6							4.7	6.0
SSE	1.0	1.6	2.1	.7	.1						5.7	6.8
S	1.7	2.9	3.6	2.2	.1	.1					10.6	7.8
SSE	1.7	2.0	3.9	3.8	.6	.1					11.7	9.4
SE	.7	2.0	3.4	2.7	.4	.7					9.6	9.8
SSE	1.7	1.9	2.2	1.5	.2	.1					7.6	4.5
VARIABLE												
CALM	////////////////////										6.3	////
TOTALS	15.9	29.7	30.8	15.4	1.3	.7					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 714096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LEST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.4	2.7	3.6	.8							8.5	6.8
NNE	1.2	.9	.8	.1							3.0	4.9
NEL	.8	1.4	1.6	.1							3.9	6.1
ENE	.8	2.0	1.2	.4							4.4	6.3
E	1.9	1.8	.9	.6	.1						5.2	5.9
ESE	.8	.7	.6	.3							2.3	6.3
SE	1.1	.6	.2	.1							2.0	4.0
SSE	2.2	.9	1.0								4.2	4.2
S	3.1	2.6	.6	.6	.1						6.9	4.7
SSW	2.0	2.7	1.1	.7							6.4	5.3
SW	1.7	1.4	.1	.1							3.3	3.9
WSW	1.0	1.7	.8	.2							3.7	5.0
W	3.0	2.2	2.3	1.2	.1						8.9	6.2
WNW	.7	2.4	2.6	2.3	.2						8.2	6.3
NW	1.8	1.7	2.0	1.0	.3						6.4	7.3
NNW	1.2	2.0	1.9	1.4	.3						6.9	7.9
VARIABLE												
CALC	////////////////////////////////////										16.1	////
TOTALS	24.5	26.4	21.1	10.0	1.2						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724296 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.5	3.7	3.1	.1							8.6	5.9
NNE	.7	1.9	1.4	.1							4.1	6.3
NE	1.1	1.1	.8	.4	.1						3.6	6.5
ENE	.9	.7	1.9	.1							3.6	6.1
E	.7	1.0	1.2	.6	.2						3.7	7.5
ESE	.4	.3	.2	.1							1.1	5.8
SE	1.1	.4	.2	.1		.1					2.0	5.1
SSE	.7	.6	.2								1.4	3.9
S	2.9	2.8	.5	.3							6.8	4.7
SSW	2.9	1.9	1.3	.6							6.9	5.3
SW	1.9	1.1	.6								4.4	4.6
WSW	1.4	1.9	.4	.1							3.9	4.6
W	1.7	2.4	2.4	1.9	.2						8.7	7.6
WNW	1.2	2.1	2.7	.7	.1						6.8	7.3
NW	1.2	3.2	2.1	1.3	.1						8.1	7.3
NNW	1.2	1.8	1.3	.9	.3	.1					5.8	7.5
VARIABLE												
CALC	////////////////////////////////////										20.7	////
TOTALS	21.8	27.2	20.9	7.6	1.1	.2					100.0	4.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724796 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33		
N	1.4	3.1	2.4	.9	.1	.0		8.7	6.5
NNE	.8	1.8	1.4	.4	.0			4.4	6.2
NE	.9	1.4	1.5	.5	.0			4.3	6.5
ENE	.9	1.3	1.7	.6				4.3	6.9
E	.9	1.4	1.5	.5	.1			4.3	6.9
ESE	.7	.6	.5	.1				1.8	5.4
SE	.5	.5	.3	.0		.0		1.3	4.8
SSE	.8	.5	.4	.0				1.9	4.5
S	1.7	2.1	.8	.3	.0			5.0	5.1
SSW	1.7	1.8	1.1	.5	.0			5.1	5.6
SW	1.5	1.6	1.1	.4	.0	.0		4.6	5.8
WSW	1.0	1.9	1.5	.6	.1			5.3	6.3
W	0.1	2.4	3.0	2.0	.2	.0		10.2	7.4
WNW	1.1	2.3	2.9	0.1	.2	.0		8.7	8.3
Ww	1.1	1.0	2.9	1.7	.4	.1		8.1	6.5
WNW	1.1	1.6	1.8	1.3	.3	.0		6.2	8.1
VARIABLE									
CALM	////////////////////////////////////							15.8	////
TOTALS	16.7	26.7	25.0	11.1	1.5	.0		100.0	5.8

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LOCAL): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.3	2.6	2.2	.5	.1						6.7	6.5
NNE	.8	1.7	1.1	.2							3.3	5.8
NL	.8	1.2	.6	.6							3.2	6.5
ENE	.6	.2	.6	.1							1.6	5.5
E	.4	.1	.4	.4							1.7	6.9
ESE	.1	.4	.5	.1		.1					1.3	8.8
SE	.4	.1		.1							.9	4.1
SSE	.9	.4	.2								1.7	3.7
S	1.7	1.1	.5	.2							3.7	5.1
SSW	1.4	3.0	1.2	.4							6.1	5.1
SW	3.7	1.6	2.2	1.4							8.5	6.0
WSW	.5	1.3	1.4	.4							3.9	6.3
W	2.3	2.8	3.4	1.0	.5	.3					11.4	8.7
WNW	1.7	2.4	2.5	1.5	1.2	.3					10.5	9.4
NW	1.0	3.7	2.7	1.4	.5						9.6	8.5
NNW	.5	2.3	2.0	.3	.3						5.6	7.1
VARIABLE												
CALM	////////////////////										20.1	////
TOTALS	17.6	25.0	22.5	11.1	2.8	.3					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS: 630

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(IST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.7	1.7	1.2	.5								4.7	6.0
NNE	1.2	2.7	1.8	.4								5.7	6.2
NE	1.0	1.4	.9	.6	.2							4.3	6.5
ENE	.4	.6										1.2	3.5
E	.7	.4	.2	.4								1.4	7.2
ESE	.7	.5	.9									1.6	6.7
SE	.0	.3										.5	3.4
SSE	1.0	.1	.2									1.3	3.5
S	1.9	.6	.3	.4								3.2	4.7
SSW	1.5	2.2	.5	.2								4.4	4.6
SW	1.6	3.2	.9	1.0								6.7	5.8
WSW	2.1	1.6	1.1	1.1	.1							5.9	6.2
W	2.3	1.9	3.4	1.7	.1	.1						12.3	6.8
WNW	1.7	3.7	3.4	3.3	.4	.4	.1					12.7	9.3
NW	1.5	2.4	2.0	1.2	.9	.7						8.1	8.2
NNW	.4	2.0	1.1	.5	.1							4.5	7.6
VARIABLE													
CAL"	////////////////////////////////////											21.5	////
TOTALS	19.5	27.1	18.0	10.0	1.7	.4	.1					100.0	5.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(1ST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.2	1.0	1.3	.6								5.1	6.4
NNE	.5	2.0	.8	.3								3.7	6.2
NEL	1.3	1.3	1.2	1.0	.1							5.4	6.5
ENE	.6	1.1	.3									2.0	4.7
E	.7	.5	.5	.4								1.8	6.9
ESE	.3	.4	.4	.4								1.6	7.7
SE	.5	.1	.1									.8	3.6
SSE	1.1	.2										1.3	2.3
S	.6	1.1	1.0	.2								2.9	5.9
SSW	1.0	1.7	1.2	.2								4.1	5.6
SW	2.7	2.5	1.7	.5	.2							7.2	5.8
WSW	1.7	2.7	1.4	.9	.2							6.7	6.6
W	2.5	3.0	2.9	2.0	.5	.2						11.2	7.6
WNW	1.7	2.7	2.2	3.1	.9	.2						10.9	9.1
W	1.1	1.9	2.4	2.2	.5	.1						8.2	8.9
NNW	1.1	1.9	1.8	.4	.3	.5						6.1	8.6
VARIABLE													
CALM	////////////////////											21.3	////
TOTALS	18.7	25.1	19.1	10.5	2.8	1.1						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH  
USAF/TAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 774096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS/LSII: 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.3	1.0	2.5	2.2	.1	.2						7.4	8.7
NNE	1.0	.8	1.1	.3	.1							3.2	6.5
NE	.8	1.7	1.5	1.2								5.2	7.4
ENE	.6	.5	1.3	.3								2.8	6.8
E	1.0	1.4	1.2	.6	.1							4.3	7.0
ESE	.4	.7	.4	.3								1.8	6.6
SE	.1	.7	.1									.5	5.0
SSE	.2	.5		.7								1.0	5.8
S	.9	1.6	.9	.4								3.8	5.9
SSW	.8	1.2	1.6	.9								4.4	7.1
SW	1.2	1.5	1.7	.6	.1							5.2	6.9
WSW	1.1	2.7	4.1	1.1		.1						9.7	7.6
W	.6	2.8	3.8	3.4	.9	.7						12.3	9.9
WNW	1.3	1.8	2.6	4.0	1.4	.4	.1					11.8	10.7
NW	.7	1.7	3.0	4.0	1.1	.7	.1					10.5	11.1
NNW	1.6	1.1	2.4	2.5	.3	.3						8.2	9.3
VARIABLE													
CALM	////////////////////////////////////											8.9	////
TOTALS	13.7	20.8	29.2	22.0	4.1	1.6	.2					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS: 937

GLOBAL CLIMATOLOGY BRANCH  
USAF/CIAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS (LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.2	1.7	2.4	1.8	.1							6.8	6.1
NNE	.9	.5	1.5	.7								3.8	7.5
NE	.6	2.7	1.0	1.1								4.8	7.3
NNE	.7	.5	.6	.6								2.2	6.1
E	.5	.5	1.2	.9	.1							3.2	8.2
ESE	.1	.6	.5	.7								2.2	5.9
SE	.3	.6	.4									1.9	4.5
SSE	.2	.4	.1									.8	4.7
S	.4	1.4	1.1	.1								3.0	6.1
SSW	.5	.6	1.5	.2								3.2	6.7
SW	.7	1.7	2.6	1.5	.2							5.9	7.2
SSW	.1	2.4	3.7	7.0	.4							8.7	8.7
W	1.1	2.9	6.1	4.4	.9	.5	.1					16.1	10.0
WSW	.1	2.2	3.5	4.8	2.7	1.7	.7					15.1	12.5
W	.5	.8	3.4	4.4	.7	.3	.2					11.7	11.3
WSW	.8	1.4	2.2	7.6	.9	.4						8.2	10.8
VARIABLE													
CALC	////////////////////											3.7	////
TOTALS	17.7	27.7	31.5	21.6	6.1	2.4	.5					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURLY PERCENT: 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.4	2.4	1.7	.8							6.2	6.1
NNE	.9	.8	1.3	.2							3.2	6.6
NE	.6	1.4	1.0	.7	.1						3.8	6.3
NNE	.6	1.2	.4	.9							3.0	6.7
E	1.1	1.6	1.0	.3	.4						4.4	7.0
ESE	.9	.2	.2								1.3	4.3
SE	.1	.4	.1								.6	5.2
SSE	.9	.4	.2								1.4	3.8
S	1.7	1.7	.6		.2						4.1	5.2
SSW	1.4	2.5	1.4	.1							5.4	5.1
SW	.6	2.0	2.5	.6	.7						6.1	7.6
WSW	1.1	2.4	2.2	1.2							6.8	7.1
W	1.7	4.3	4.2	2.0		.1	.1				13.1	9.0
WNW	.9	2.6	4.7	4.5	1.6	1.1	.1				15.7	11.1
W	1.2	2.6	4.2	7.2	.6	.4	.1				12.6	9.7
WNW	1.7	1.1	1.5	1.9	.6						6.9	9.0
VARIABLE												
CALM											5.9	////
TOTALS	15.2	27.7	27.7	16.4	4.0	1.7	.1				100.0	7.5

TOTAL NUMBER OF OBSERVATIONS: 936

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFD WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704095 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS (LST): 1800-2000

DIRECTION (01-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-00)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.7	1.9	2.2	.5								5.9	6.6
NNE	1.3	1.7	1.5	.4								4.2	6.3
NE	1.7	1.6	.6	.4								3.7	4.9
NNE	.5	.5	.3	.2								1.7	5.2
E	1.4	1.2	.4	.5	.5	.1						4.0	7.7
ESE	.9	.7	.1	.1								1.3	4.5
SE	.5	.2	.3	.1								1.4	4.6
ESE	1.4	.6	.2									2.3	3.5
S	2.4	2.7	.9	.1								6.0	4.1
SSW	1.4	2.4	1.6	.6	.1							6.6	6.1
SW	1.2	2.9	1.6	.2	.1							5.0	5.8
WSW	1.7	1.1	.3	.2	.1							3.4	4.8
W	2.7	4.8	2.2	1.5	.9	.1						12.6	7.2
WNW	1.4	3.1	3.0	2.4	.5	.5						11.1	9.3
W	1.4	2.7	3.7	1.6	.8	.1						9.9	9.4
WNW	.5	1.7	1.2	1.7	.1							4.9	8.1
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	15.1	//////
TOTALS	21.6	29.2	20.0	10.4	3.1	1.7						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/AFM  
AFM WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 774796 STATION NAME: MCQUIRK AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS (LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.5	2.4	2.6	.5								7.5	6.3
NNE	.6	1.2	.8	.2								2.9	6.1
NE	.7	1.3	.9	.2								2.4	6.6
ENE	.9	.7	.2	.2								1.6	4.7
E	.2	1.7	.8	.4	.3	.1						3.4	8.2
ESE	.6	.1		.2								1.7	4.9
SE	.4	.2		.2								.9	5.5
SSE	.4	.1	.4	.1								1.1	5.8
S	2.6	1.5	.6	.2								4.9	4.7
SSW	1.4	2.5	1.3	.4								5.6	5.7
SW	2.5	2.7	1.6	1.7	.3							8.1	6.3
WSW	1.7	1.7	.8	.5								4.0	6.0
W	1.7	2.7	2.2	2.2	.4	.3						8.8	6.5
WNW	1.5	2.8	2.3	2.8	1.1	.3						10.8	9.4
W	.5	2.5	3.7	2.7	.4							9.5	8.5
WW	1.1	1.7	1.6	.6	.3							5.7	7.2
VARIABLE													
CALM	////////////////////											21.9	////
TOTAL	15.4	24.4	19.5	11.2	2.9	.9						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS: 607

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724054 STATION NAME: MCGUIRE AFB TX

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(UT): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-59	
N	1.3	1.9	2.0	1.7	.0	.0					6.9	6.9
NNE	.9	1.2	1.2	.4	.0						3.7	6.4
NE	.9	1.5	1.0	.6	.1						4.0	6.6
NNE	.6	.6	.5	.3							2.0	5.9
E	.7	.9	.7	.1	.2	.0					3.1	7.4
ESE	.5	.4	.4	.2		.0					1.6	6.1
SE	.4	.3	.1	.1							.9	4.5
SSE	.2	.4	.2	.1							1.3	3.9
S	1.5	1.4	.8	.2	.0						4.0	5.0
SSW	1.2	2.1	1.3	.4	.0						4.9	5.7
SW	1.6	2.2	1.8	.9	.2						6.7	6.6
WSW	1.2	2.0	1.5	.4	.1	.3					6.0	7.0
W	1.9	3.2	3.5	2.6	.5	.3	.0				12.2	9.3
WNW	1.0	2.7	3.1	3.4	1.2	.4	.1				12.3	10.3
NW	1.1	2.3	3.1	2.0	.7	.0	.1				9.9	5.4
NNW	.2	1.7	1.5	1.4	.4	.0					6.3	4.7
VARIABLE												
CUM	////////////////////										14.9	////
TOTAL	15.3	24.7	23.2	15.4	3.4	1.7	.1				100.0	6.6

TOTAL NUMBER OF OBSERVATIONS: 744

U.S. AIR FORCE CLIMATOLOGY BRANCH  
 FAFBETAG  
 410 WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 704960 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 77-87  
 MONTHS: ALL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-7	8-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.2	2.5	2.7	1.0	.1	.0					6.5	6.5
NNE	.7	1.4	1.1	.4	.1	.1					1.7	6.4
NNE	.7	1.7	1.1	.4	.0	.1					1.7	6.4
NNE	.2	1.1	1.0	.4	.1	.1	.0				1.4	6.5
N	1.2	1.4	1.2	.4	.1	.1					4.7	6.2
NNE	.7	.7	.6	.1	.0	.1					1.2	4.9
N	.7	.7	.3	.1	.0	.0					1.9	4.5
NNE	1.1	.7	.4	.1	.0						2.4	4.4
N	1.2	2.7	1.2	.7	.0	.0	.1				6.0	5.0
NNE	1.2	1.7	1.7	.4	.0						5.4	5.1
NNE	1.7	1.7	1.4	.7	.1	.1	.0				6.1	5.8
NNE	1.4	1.1	1.1	.4	.1	.0					5.6	6.2
N	1.2	.7	2.1	1.1	.7	.1	.1				6.2	7.3
NNE	1.2	1.7	1.7	1.1	.5	.0	.0	.0			6.3	5.8
NNE	1.1	1.1	2.4	1.7	.4	.1	.0				7.7	6.4
NNE	1.1	1.7	1.7	1.1	.0	.0	.0				6.0	7.7
2-10-100											1.0	9.0
2-10-100	////////////////////										15.7	////
TOTAL	2.1	1.4	2.1	1.1	.9	.1	.0				100.0	5.6

TOTAL NUMBER OF OBSERVATIONS: 57641

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 734094 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 77-87  
MONTH: ALL HOURS(1ST): ALL

CEILINGS 200 TO 1400 FEET WITH VISIBILITIES 1/2 MILE OR MORE  
AND/OR

CEILINGS 200 FEET OR MORE WITH VISIBILITIES 1/2 TO 2-1/2 MILES

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.2	2.6	2.1	1.2	.1	.0					7.3	7.1
NNE	1.0	2.2	2.2	1.2	.7	.0					6.9	7.7
NE	1.1	2.4	3.5	1.6	.1	.1					9.3	7.7
ENE	1.4	2.9	3.6	1.9	.2	.1	.0				10.5	7.9
E	2.3	3.6	3.5	1.6	.7	.1					11.4	7.0
ESE	1.4	1.7	1.0	.4	.1	.0					4.2	5.8
SE	1.1	1.1	.7	.2	.0	.0					3.1	5.4
SSE	1.1	1.2	.9	.2	.0						2.7	5.5
S	2.0	2.0	1.7	.7	.2	.0	.0				6.6	6.4
SSW	1.5	1.4	1.1	.3	.0						4.8	5.5
SW	1.2	1.6	.9	.7	.0						4.0	5.6
WSW	1.1	1.7	.8	.4	.1	.0					3.6	6.1
W	1.1	1.3	.0	.1	.2	.0					2.9	6.6
WNW	.0	.0	.6	.4	.1	.0		.0			2.5	7.5
WW	.0	.0	.7	.4	.1	.0					2.6	7.5
WNW	.7	1.0	.8	.4	.1	.0					3.0	6.9
VARIABLE												
CUFM	////////////////////										12.9	////
TOTALS	19.1	24.1	25.4	11.7	1.9	.4	.0	.0			100.0	6.0

TOTAL NUMBER OF OBSERVATIONS: 11727

PPPPPPP  
PPPPPPPP  
PP PP  
PP PP  
PPPPPPPP  
PPPPPPPP  
PP  
PP  
PP  
PP  
PP

AAAAAA  
AAAAAAA  
AA AA  
AA AA  
AA AA  
AAAAAAA  
AAAAAAA  
AA AA  
AA AA  
AA AA  
AA AA

RRRRRRR  
RRRRRRRR  
RR RR  
RR RR  
RRRRRRR  
RRRRRRR  
RR RR  
RR RR  
RR RR  
RR RR  
RR RR

TTTTTTTT  
TTTTTTTT  
TT  
TT  
TT  
TT  
TT  
TT  
TT  
TT  
TT

0000000  
00000000  
00 00  
00 00  
00 00  
00 00  
00 00  
00 00  
00 00  
00000000  
00000000

## CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

### CEILING VERSUS VISIBILITY SUMMARY

THIS SUMMARY IS A BIVARIATE FREQUENCY DISTRIBUTION BY CLASSES OF CEILING FROM "0" THROUGH EQUAL TO OR GREATER THAN 20,000 FEET AND AS A SEPARATE CLASS "NO CEILING", VERSUS VISIBILITY IN 16 CLASSES FROM ZERO THROUGH EQUAL TO OR GREATER THAN 10 MILES.

DATA DERIVED FROM HOURLY OBSERVATIONS.

FREQUENCY DISTRIBUTION PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

#### NOTES:

BEGINNING IN 1968, METAR STATIONS REPORTED VISIBILITIES TO 6 MILES AND GREATER THAN 6 MILES. THEREFORE THE COLUMN FOR VISIBILITIES EQUAL TO OR GREATER THAN 10 MILES APPEAR BLANK.

AS A RULE, AIRWAYS STATIONS NORMALLY REPORT VISIBILITIES TO 6 MILES AND 7 OR GREATER, HOWEVER SOME STATIONS REPORT HIGHER VALUES. THEREFORE, THE 10 MILE VISIBILITY COLUMN SOMETIMES CONTAIN SMALL PERCENTAGE VALUES. HOWEVER, THESE VALUES ARE OF LITTLE MEANING AND SHOULD BE DISREGARDED.

FOR METAR CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS ABOVE 5000 FEET WERE SUPPRESSED TO 5000 FEET. THEREFORE, NO PERCENT VALUES APPEAR ABOVE 5000 FEET.

### SKY COVER SUMMARY

PRESENTS PERCENTAGES OF SKY COVER IN EITHER 10THS OF COVERAGE OR "AIRWAYS CLASSIFICATIONS".

DATA SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

ALSO PRESENTED ARE MEAN SKY COVERS.

FOR AIRWAY STATIONS, THE CONVERSION FROM THE AIRWAYS DESIGNATIONS TO 10THS FOR PRESENTATION ARE:

CLEAR	-	0/10
SCATTERED	-	3/10
BROKEN	-	9/10
OVERCAST	-	10/10
OBSCURED	-	10/10

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCCUIKE AFB NJ

PERIOD OF RECORD: 74-87  
MONTH: JAN HOURS(S): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 1 1/4	GE 1 1/2	GE 2	GE 2 1/2	GE 3	GE 3 1/2	GE 4	GE 4 1/2	GE 5	GE 5 1/2	GE 6	GE 6 1/2	GE 7	GE 7 1/2	GE 8
NO CEIL	8.4	47.5	48.6	48.6	49.0	49.0	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
GE 0000	9.6	53.1	54.3	54.5	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 1000	8.6	53.3	54.5	54.7	54.9	54.9	54.9	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 1000	8.6	53.3	54.5	54.7	54.9	54.9	54.9	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 1400	8.6	53.8	54.9	55.2	55.4	55.4	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
GE 1000	8.6	54.0	55.2	55.4	55.7	55.7	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 1000	8.8	56.1	57.4	57.7	58.3	58.3	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 9000	8.8	56.6	57.8	58.2	58.7	58.7	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 8000	8.9	59.0	60.5	61.0	61.7	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 7000	9.0	60.6	62.2	62.6	63.3	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 6000	9.0	61.7	63.3	63.8	64.5	64.5	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 5000	9.0	63.7	65.3	65.9	66.7	66.8	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 4500	9.5	68.4	70.2	71.3	72.5	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 4000	9.6	70.2	72.3	73.8	75.3	75.5	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 3500	9.7	72.6	74.6	76.6	78.1	78.3	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 3000	9.8	73.2	75.4	77.3	78.8	79.1	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 2500	9.8	75.1	77.2	79.1	80.6	81.0	81.1	81.2	81.2	81.2	81.2	81.2	81.3	81.4	81.4	81.4
GE 2000	9.8	76.8	79.0	81.0	82.6	82.9	83.1	83.2	83.2	83.2	83.2	83.2	83.3	83.4	83.4	83.4
GE 1500	9.9	76.8	79.1	81.1	82.7	83.0	83.2	83.3	83.3	83.3	83.3	83.3	83.4	83.5	83.5	83.5
GE 1000	10.3	78.4	80.9	82.6	84.4	84.7	85.1	85.2	85.2	85.2	85.3	85.3	85.3	85.4	85.4	85.4
GE 1000	10.7	78.6	81.4	83.9	85.5	85.8	86.2	86.3	86.3	86.6	86.6	86.6	86.9	87.2	87.2	87.2
GE 1000	10.3	78.8	81.7	84.2	85.9	86.2	86.7	86.9	86.9	87.1	87.4	87.5	87.8	87.8	87.8	87.8
GE 1000	10.3	79.1	82.1	84.5	86.6	86.9	87.3	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 1000	10.3	79.7	82.7	85.3	87.6	88.1	88.9	89.2	89.2	89.5	89.7	90.0	90.1	90.5	90.6	90.6
GE 1000	10.3	79.8	83.0	85.8	88.0	88.4	89.2	89.6	89.6	89.8	90.0	90.4	90.7	91.0	91.2	91.2
GE 1000	10.3	79.8	83.7	85.5	88.2	88.7	89.7	90.2	90.4	90.6	91.1	91.2	91.6	91.7	91.9	91.9
GE 1000	10.7	79.8	83.1	85.7	88.6	89.2	90.2	91.2	91.7	92.3	92.9	93.0	93.4	93.5	93.9	93.9
GE 1000	10.3	79.8	83.1	85.7	88.7	89.5	91.1	92.2	92.7	93.4	94.2	94.3	94.7	94.8	95.2	95.3
GE 1000	10.3	79.8	83.1	85.7	89.4	90.3	93.0	94.2	94.9	95.7	96.6	96.6	97.1	97.2	97.6	97.8
GE 1000	10.3	79.8	83.1	85.7	89.5	90.4	93.2	94.6	95.5	96.2	97.0	97.1	97.3	98.1	98.5	99.1
GE 1000	10.3	79.8	83.1	85.7	89.5	90.4	93.2	94.6	95.5	96.3	97.2	97.3	98.2	98.4	98.9	100.0
GE 1000	10.3	79.8	83.1	85.7	89.5	90.4	93.2	94.6	95.5	96.3	97.2	97.3	98.2	98.4	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 931

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 0300-0500

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/CIAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 74096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	5.5	47.9	42.0	43.0	47.2	43.3	47.3	43.4	47.4	43.4	47.7	43.7	43.7	43.7	43.7	43.7
GE 0000	5.6	45.2	46.7	47.7	48.2	48.3	48.3	48.5	48.5	48.5	49.7	48.7	48.7	48.7	48.7	48.7
GE 1000	5.7	45.6	47.2	48.3	48.7	48.8	48.8	49.0	49.0	49.0	49.2	49.2	49.2	49.2	49.2	49.2
GE 1600	5.7	45.6	47.2	48.3	48.7	48.8	48.8	49.0	49.0	49.0	49.2	49.2	49.2	49.2	49.2	49.2
GE 1400	5.7	45.6	47.2	48.3	48.7	48.8	48.8	49.0	49.0	49.0	49.2	49.2	49.2	49.2	49.2	49.2
GE 1200	5.8	46.2	47.6	48.9	49.4	49.5	49.5	49.7	49.7	49.7	49.9	49.9	49.9	49.9	49.9	49.9
GE 1000	6.2	50.0	51.7	52.8	53.3	53.4	53.5	53.8	53.8	53.8	54.0	54.0	54.0	54.0	54.0	54.0
GE 900	6.2	50.9	52.6	53.7	54.2	54.3	54.4	54.6	54.6	54.6	54.9	54.8	54.8	54.8	54.8	54.8
GE 800	6.6	54.5	56.3	57.5	58.2	58.3	58.6	58.8	58.8	58.8	59.0	59.0	59.0	59.0	59.0	59.0
GE 700	6.7	54.8	56.7	57.8	58.5	58.7	59.0	59.2	59.2	59.2	59.5	59.5	59.5	59.5	59.5	59.5
GE 600	6.7	56.2	58.1	59.2	59.9	60.2	60.5	60.8	60.8	60.8	61.0	61.0	61.0	61.0	61.0	61.0
GE 500	6.8	58.6	60.4	62.2	63.0	63.4	63.8	64.2	64.2	64.2	64.4	64.4	64.4	64.4	64.4	64.4
GE 400	7.4	62.4	64.7	66.5	67.5	68.1	68.4	68.8	68.8	68.8	69.1	69.1	69.1	69.1	69.1	69.1
GE 300	7.7	65.2	68.1	70.0	71.2	71.7	72.2	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9
GE 200	7.8	68.0	71.2	73.4	74.6	75.3	75.8	76.2	76.2	76.2	76.7	76.7	76.7	76.7	76.7	76.7
GE 100	8.7	71.5	75.1	77.3	78.7	79.4	80.0	80.5	80.5	80.5	81.1	81.1	81.1	81.1	81.1	81.1
GE 2500	8.7	73.4	77.1	79.5	81.0	81.7	82.4	82.9	82.9	82.9	83.4	83.4	83.4	83.4	83.4	83.4
GE 2000	8.3	74.9	78.7	81.1	82.6	83.3	84.0	84.5	84.5	84.5	85.1	85.1	85.1	85.1	85.1	85.1
GE 1800	8.3	75.3	79.0	81.5	83.0	83.9	84.5	85.1	85.1	85.1	85.6	85.6	85.6	85.6	85.6	85.6
GE 1600	8.3	76.2	80.0	82.5	84.2	85.1	85.7	86.2	86.3	86.5	87.0	87.0	87.0	87.0	87.0	87.0
GE 1400	8.7	76.8	80.5	83.2	84.8	85.7	86.5	87.0	87.1	87.2	87.7	87.7	87.7	87.7	87.7	87.7
GE 1200	8.3	77.6	81.5	84.2	85.8	86.7	87.4	88.0	88.1	88.2	88.7	88.7	88.7	88.7	88.7	88.7
GE 1000	8.3	77.8	81.8	84.8	86.7	87.5	88.3	88.8	88.9	89.1	89.7	89.7	89.8	89.8	89.8	89.8
GE 900	8.3	78.0	82.2	85.3	87.3	88.3	89.2	90.0	90.2	90.5	91.3	91.3	91.5	91.5	91.7	91.7
GE 800	8.7	78.3	82.5	85.6	88.3	89.4	90.4	91.2	91.5	91.8	92.6	92.6	92.8	92.8	93.0	93.0
GE 700	8.3	78.5	82.8	86.1	88.9	90.1	91.2	91.9	92.6	93.0	94.0	94.0	94.2	94.2	94.4	94.4
GE 600	8.7	78.5	82.8	86.1	88.9	90.1	91.2	91.9	92.6	93.0	94.0	94.0	94.2	94.2	94.4	94.4
GE 500	8.7	78.5	82.8	86.1	88.9	90.1	91.2	91.9	92.6	93.0	94.0	94.0	94.2	94.2	94.4	94.4
GE 400	8.3	78.5	82.8	86.1	88.9	90.1	91.2	91.9	92.6	93.0	94.0	94.0	94.2	94.2	94.4	94.4
GE 300	8.3	78.5	82.8	86.1	88.9	90.1	91.2	91.9	92.6	93.0	94.0	94.0	94.2	94.2	94.4	94.4
GE 200	8.3	78.5	82.8	86.1	88.9	90.1	91.2	91.9	92.6	93.0	94.0	94.0	94.2	94.2	94.4	94.4
GE 100	8.3	78.5	82.8	86.1	88.9	90.1	91.2	91.9	92.6	93.0	94.0	94.0	94.2	94.2	94.4	94.4

TOTAL NUMBER OF OBSERVATIONS: 630

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 704095 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS (LST): 0900-1100

CEILING IN FEET	1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	VISIBILITY IN STATUTE MILES										GE 1/4	GE G
								GE 2	GF 1 1/2	GE 1 1/4	GE 1	GE 3/4	GF 5/8	GE 1/2	GE 5/16	GE 1/4	GE G		
NO CLIL	1	6.0	41.3	42.6	42.6	43.3	43.4	43.4	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
GE 20000	7.0	47.2	48.8	49.2	50.3	50.1	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
GE 18000	7.0	47.7	49.4	49.6	50.5	50.6	50.6	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 16000	7.0	47.7	49.4	49.6	50.5	50.6	50.6	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 14000	7.0	48.2	49.9	50.3	51.1	51.2	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 12000	7.0	48.6	50.4	51.0	51.7	51.8	51.8	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 10000	7.4	51.5	53.7	54.2	54.9	55.1	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GF 9000	7.4	52.6	54.7	55.3	56.0	56.1	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GF 8000	7.8	57.7	60.3	61.1	61.9	62.0	62.0	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GF 7000	8.0	59.1	61.7	62.6	63.3	63.4	63.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 6000	8.0	59.5	62.0	62.6	63.7	63.8	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GF 5000	8.2	62.3	64.6	65.7	66.7	66.9	66.9	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GF 4000	8.6	65.3	68.2	69.2	70.3	70.5	70.5	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GF 3000	9.0	67.4	70.8	72.0	73.2	73.4	73.4	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GF 2000	9.2	70.1	73.5	74.8	76.5	76.9	76.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GF 1000	9.4	72.0	75.7	77.1	79.1	79.6	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GF 2000	9.5	73.3	77.1	78.6	80.6	81.2	81.4	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GF 1800	9.6	74.2	78.3	79.6	81.7	82.3	82.5	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GF 1600	9.6	74.6	78.4	79.9	82.2	82.7	82.9	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GF 1400	9.7	76.2	80.1	81.7	84.3	84.6	84.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GF 1200	9.7	76.9	80.9	82.5	85.1	85.7	86.2	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GF 1000	9.7	77.3	81.4	83.5	86.5	87.3	88.1	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GF 900	9.7	77.4	81.6	84.3	87.3	88.2	89.0	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GF 800	9.7	77.5	81.6	84.9	88.1	88.9	89.0	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GF 700	9.7	77.6	81.9	85.2	88.3	89.5	90.5	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GF 600	9.7	77.7	82.0	85.4	88.7	89.5	90.5	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GF 500	9.7	77.7	82.0	85.4	88.7	89.5	90.5	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GF 400	9.7	77.7	82.0	85.4	88.7	89.5	90.5	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GF 300	9.7	77.7	82.0	85.4	88.7	89.5	90.5	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GF 200	9.7	77.7	82.0	85.4	88.7	89.5	90.5	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GF 100	9.7	77.7	82.0	85.4	88.7	89.5	90.5	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GF 0	9.7	77.7	82.0	85.4	88.7	89.5	90.5	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH  
USAF/CLAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724056 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS (LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 1 1/4	GE 1 1/2	GE 2	GE 2 1/2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13
NO CEIL	7.6	38.9	40.1	47.5	47.6	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
CE 1000	8.0	44.5	45.7	46.6	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
CE 1200	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 1400	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 1600	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 1800	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 2000	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 2200	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 2400	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 2600	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 2800	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 3000	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 3200	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 3400	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 3600	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 3800	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 4000	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 4200	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 4400	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 4600	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 4800	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 5000	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 5200	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 5400	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 5600	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 5800	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 6000	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 6200	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 6400	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 6600	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 6800	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 7000	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 7200	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 7400	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 7600	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 7800	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 8000	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 8200	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 8400	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 8600	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 8800	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 9000	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 9200	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 9400	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 9600	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 9800	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
CE 10000	8.0	44.5	46.0	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1

TOTAL NUMBER OF OBSERVATIONS: 530

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGLIRE AFB NJ

PERIOD OF RECORD: 78-87

MONTH: JAN HOURS(EST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15	GE 16	GE 17
NO CEIL	7.2	41.1	42.2	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
GE 20000	7.2	46.0	47.2	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
GE 18000	7.2	46.0	47.2	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
GE 16000	7.2	46.0	47.2	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
GE 14000	7.2	47.0	48.3	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
GE 12000	7.2	48.4	49.7	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
GE 10000	7.7	51.1	52.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.0	54.0
GE 9000	7.3	51.9	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.8	54.8
GE 8000	7.8	56.1	57.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.1	59.1
GE 7000	8.2	56.9	59.6	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.1	60.1
GE 6000	8.0	57.5	59.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.9	60.9
GE 5000	8.4	59.5	61.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.4	63.4
GE 4000	8.9	62.0	64.6	65.9	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.6	66.6
GE 3000	9.5	66.0	68.7	70.2	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	71.0	71.0
GE 2000	10.5	69.4	72.2	73.7	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.9	74.9
GE 1000	11.3	74.2	77.6	79.2	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	81.0	81.0
GE 0000	11.3	75.1	78.9	80.6	82.0	82.7	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.0	83.0
GE 0000	11.5	75.7	79.6	81.4	83.0	83.7	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.1	84.1
GE 0000	11.6	76.0	80.0	81.5	83.7	84.3	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.7	84.7
GE 0000	11.6	76.2	80.2	81.6	83.8	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.6	84.6
GE 0000	11.6	76.3	81.1	83.3	85.5	86.2	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.4	87.4
GE 0000	11.6	76.7	81.4	84.0	86.3	87.1	87.8	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.8	88.8
GE 0000	11.6	76.8	81.5	84.2	86.9	87.6	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.5	89.5
GE 0000	11.6	76.9	81.7	84.7	87.6	88.4	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	91.0	91.0
GE 0000	11.6	77.0	81.8	84.8	87.7	88.8	89.1	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	92.0	92.0
GE 0000	11.6	77.1	82.3	85.4	88.7	90.0	91.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	94.0	94.0
GE 0000	11.6	77.2	82.4	85.9	89.2	91.3	93.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	95.8	95.8
GE 0000	11.6	77.3	82.5	86.0	89.4	91.8	94.0	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	97.6	97.6
GE 0000	11.6	77.4	82.6	86.1	89.5	92.2	94.6	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	98.6	98.6
GE 0000	11.6	77.4	82.6	86.1	89.5	92.3	94.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	98.9	98.9
GE 0000	11.6	77.4	82.6	86.1	89.5	92.3	94.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	99.4	99.4
GE 0000	11.6	77.4	82.6	86.1	89.5	92.3	94.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GENERAL CLIMATOLOGY BRANCH  
 SAFETYAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 78-87  
 MONTH: JAN. HOURS(IST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 10	GE 16	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 7/16	GE 1/4	GE 0	
NO CEIL	8.4	49.0	49.4	49.6	50.0	50.0	50.0	50.0	50.0	50.0	50.1	50.1	50.2	50.2	50.2	50.3	
GE 2000	8.6	54.3	54.7	55.2	55.4	55.5	55.6	55.6	55.6	55.6	55.7	55.8	55.9	55.9	55.9	56.0	
GE 1800	8.6	54.5	54.5	55.4	55.6	55.7	55.8	55.8	55.8	55.8	55.9	56.0	56.1	56.1	56.1	56.2	
GE 1600	8.6	54.7	55.2	55.6	55.8	55.9	56.0	56.0	56.0	56.0	56.1	56.2	56.3	56.3	56.3	56.5	
GE 1400	8.6	54.7	55.2	55.6	55.8	55.9	56.0	56.0	56.0	56.0	56.1	56.2	56.3	56.3	56.3	56.5	
GE 1200	8.6	55.6	56.0	56.5	56.7	56.8	56.9	56.9	56.9	56.9	57.0	57.1	57.2	57.2	57.2	57.3	
GE 1000	8.7	57.1	58.0	58.4	58.7	58.8	58.9	58.9	58.9	58.9	59.0	59.1	59.2	59.2	59.2	59.4	
GE 900	8.8	57.6	58.5	58.9	59.2	59.4	59.5	59.5	59.5	59.5	59.6	59.7	59.8	59.8	59.8	59.9	
GE 800	8.9	61.2	62.2	62.6	62.9	63.0	63.1	63.1	63.1	63.1	63.2	63.3	63.4	63.4	63.4	63.5	
GE 700	9.0	62.0	62.7	63.3	63.7	63.8	63.9	63.9	63.9	63.9	64.0	64.1	64.2	64.2	64.2	64.3	
GE 600	9.0	62.9	63.5	64.3	64.6	64.7	64.8	64.8	64.8	64.8	64.9	65.1	65.2	65.2	65.2	65.3	
GE 500	9.0	64.9	66.1	66.7	67.0	67.1	67.2	67.2	67.2	67.2	67.3	67.4	67.5	67.5	67.5	67.6	
GE 450	9.1	67.6	69.1	70.0	70.4	70.5	70.6	70.6	70.6	70.6	70.8	70.9	71.0	71.0	71.0	71.1	
GE 400	9.7	70.1	71.7	72.7	73.3	73.4	73.5	73.5	73.5	73.5	73.7	73.8	73.9	73.9	73.9	74.0	
GE 350	10.1	73.3	75.2	76.2	77.1	77.2	77.3	77.3	77.3	77.3	77.4	77.5	77.6	77.6	77.6	77.7	
GE 300	10.3	76.0	78.0	79.2	80.1	80.4	80.5	80.5	80.5	80.5	80.6	80.8	80.9	80.9	80.9	81.0	
GE 250	10.5	77.6	79.4	81.1	81.9	82.3	82.6	82.6	82.6	82.6	82.7	82.8	82.9	82.9	82.9	83.0	
GE 200	10.5	78.3	80.4	81.7	82.8	83.2	83.7	83.7	83.7	83.7	83.9	83.9	84.0	84.0	84.0	84.1	
GE 180	10.4	78.4	81.6	81.9	83.0	83.4	83.9	83.9	83.9	83.9	84.0	84.1	84.2	84.2	84.2	84.3	
GE 160	10.5	78.6	81.3	83.0	84.2	84.6	85.2	85.4	85.4	85.4	85.5	85.6	85.7	85.7	85.7	85.8	
GE 140	10.6	79.1	81.9	83.0	84.4	85.6	86.1	86.2	86.2	86.3	86.5	86.6	86.7	86.7	86.7	86.8	
GE 120	10.6	79.1	82.2	84.0	85.7	86.8	86.6	86.8	86.8	86.9	87.1	87.4	87.5	87.5	87.5	87.6	
GE 100	10.6	79.4	82.4	84.5	85.9	86.6	87.3	87.6	87.6	87.6	88.3	88.4	88.5	88.5	88.5	88.6	
GE 90	10.6	79.6	82.6	84.9	86.4	87.6	88.6	89.0	89.0	89.1	89.4	89.4	89.9	90.0	90.0	90.1	
GE 80	10.6	79.7	82.9	85.6	86.1	86.0	87.2	87.8	87.9	88.1	89.1	89.6	90.7	91.7	91.7	91.9	
GE 70	10.6	83.1	86.3	89.4	90.4	90.4	91.7	92.3	92.4	92.7	93.1	93.2	93.3	93.3	93.3	93.5	
GE 60	10.6	83.1	87.1	89.7	90.9	92.2	92.8	92.9	93.3	93.3	93.3	94.0	94.3	94.3	94.3	94.5	
GE 50	10.6	83.1	87.5	90.7	91.4	91.4	92.0	94.2	94.7	95.4	95.9	96.0	96.5	96.5	96.5	96.7	
GE 40	10.6	87.1	87.5	90.4	91.7	93.5	94.6	94.6	94.6	95.4	96.5	96.6	97.1	97.1	97.1	97.3	
GE 30	10.7	87.8	83.1	87.5	90.4	91.7	93.5	94.6	94.7	96.0	97.0	97.2	98.0	98.0	98.1	98.6	
GE 20	10.6	87.8	83.1	87.5	90.4	91.7	93.5	94.6	94.8	95.1	97.4	97.6	98.7	98.7	99.0	99.9	
GE 10	10.6	87.8	83.1	87.5	90.4	91.7	93.5	94.6	94.8	95.1	97.4	97.6	98.7	98.7	99.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 937

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 78-87  
MONTH: JAN. HOURS(EST): 2100-2300

[illegible]

TOTAL NUMBER OF OBSERVATIONS: 23.

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

PERIOD OF RECORD: 78-67

MONTH: JAN HOURS (LST):

ALL

CEILING	VISIBILITY IN STATUTE MILES																	
	IN FEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
50 FEET	1	7.7	44.2	45.1	45.5	45.7	45.8	45.8	45.9	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0
60 FEET	1	7.6	49.3	50.5	51.2	51.3	51.4	51.4	51.5	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.7
70 FEET	1	7.6	49.6	50.8	51.4	51.7	51.7	51.7	51.9	51.9	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0
80 FEET	1	7.6	49.7	50.9	51.5	51.8	51.8	51.8	51.9	51.9	51.9	52.0	52.1	52.1	52.1	52.1	52.1	52.1
90 FEET	1	7.6	49.9	51.2	51.7	52.0	52.1	52.1	52.2	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.4
100 FEET	1	7.7	50.7	51.9	52.5	52.8	52.9	52.9	53.0	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.2
150 FEET	1	7.9	53.3	54.3	55.4	55.8	55.9	55.9	56.0	56.2	56.2	56.2	56.1	56.1	56.1	56.1	56.1	56.2
200 FEET	1	7.9	54.0	55.5	56.1	56.5	56.5	56.6	56.7	56.7	56.7	56.7	56.9	56.8	56.9	56.8	56.8	56.9
300 FEET	1	8.2	57.7	59.3	60.1	60.3	60.6	60.7	60.8	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	61.0
400 FEET	1	8.3	58.7	60.4	61.1	61.6	61.7	61.7	61.9	61.9	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.0
500 FEET	1	8.3	59.5	61.2	61.9	62.4	62.5	62.6	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.9	62.9	62.9
600 FEET	1	8.4	61.6	63.4	64.5	65.1	65.3	65.3	65.5	65.5	65.5	65.6	65.6	65.6	65.6	65.7	65.7	65.7
700 FEET	1	8.4	62.3	64.4	65.5	66.3	66.4	66.5	66.7	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.9
800 FEET	1	8.7	65.1	67.4	68.8	69.7	70.9	72.9	73.0	73.1	73.1	73.2	73.2	73.3	73.3	73.3	73.3	73.4
900 FEET	1	8.9	66.9	69.3	70.6	71.5	72.4	72.9	73.6	73.6	73.6	73.7	73.7	73.8	73.9	73.9	73.9	74.0
1000 FEET	1	8.9	67.7	70.0	71.3	72.4	73.7	73.7	73.9	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.2
1500 FEET	1	9.9	75.1	78.1	79.6	81.2	81.6	81.9	82.1	82.1	82.1	82.2	82.3	82.4	82.4	82.4	82.4	82.4
2000 FEET	1	10.7	76.6	79.1	80.8	82.4	82.6	82.8	83.4	83.4	83.4	83.5	83.7	83.7	83.7	83.9	83.8	83.8
3000 FEET	1	10.1	76.2	79.7	81.1	82.7	83.2	83.5	83.8	83.4	83.7	84.7	84.1	84.1	84.1	84.1	84.1	84.2
4000 FEET	1	10.1	77.1	80.5	82.4	84.2	84.7	85.0	85.5	85.5	85.7	85.9	86.0	86.0	86.0	86.0	86.0	86.1
5000 FEET	1	10.7	77.7	81.2	83.3	85.2	85.7	86.2	86.6	86.6	86.6	86.8	87.1	87.1	87.2	87.2	87.2	87.2
6000 FEET	1	10.2	77.0	81														

TOTAL NUMBER OF OBSERVATIONS: 740.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCQUIRRE AFB MO

PERIOD OF RECORD: 78-87

MONTH: FEB

FOURPS(LST): 0000-0200

CEILING			VISIBILITY IN STATUTE MILES																		
IN FEET	1	10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 1/8				
NO CEIL	1	10.4	55.5	54.5	55.1	55.9	55.9	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0				
GE 20000	11.2	57.0	57.9	58.5	59.3	59.3	59.3	59.3	59.3	59.5	59.5	59.5	59.5	59.5	59.6	59.6	59.7				
GE 18000	11.2	57.0	57.9	58.5	59.3	59.3	59.3	59.3	59.3	59.5	59.5	59.5	59.5	59.5	59.6	59.6	59.7				
GE 16000	11.2	57.0	57.9	58.5	59.3	59.3	59.3	59.3	59.3	59.5	59.5	59.5	59.5	59.5	59.6	59.6	59.7				
GE 14000	11.2	57.0	57.9	58.5	59.3	59.3	59.3	59.3	59.3	59.5	59.5	59.5	59.5	59.5	59.6	59.6	59.7				
GE 12000	11.2	57.7	58.6	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.3	59.3	59.4				
GE 10000	11.6	61.5	62.4	63.0	63.4	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.1	64.1	64.1	64.2				
GE 9000	11.6	61.6	62.5	63.1	63.5	63.9	63.9	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.2	64.2	64.3				
GE 8000	11.9	63.7	64.7	65.5	66.3	66.3	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.5	66.5	66.5	66.7				
GE 7000	11.9	64.3	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.9				
GE 6000	12.1	64.9	66.1	66.9	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.9				
GE 5000	12.2	66.9	68.3	69.5	70.2	70.2	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.5				
GE 4000	12.6	69.9	71.6	72.5	73.5	73.5	73.5	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.8				
GE 3000	12.9	71.2	72.5	74.0	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.7				
GE 2000	12.9	72.0	74.0	75.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.9				
GE 1000	12.9	73.3	75.0	77.5	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.3				
GE 0000	12.9	74.1	77.0	78.6	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.5				
GE 10000	12.9	74.8	77.4	79.1	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.2				
GE 9000	13.0	74.8	77.7	79.3	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.4				
GE 8000	13.0	75.9	78.8	80.5	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.7				
GE 7000	13.0	76.4	79.3	81.1	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.3				
GE 6000	13.0	76.8	79.9	82.3	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.2				
GE 5000	13.1	77.3	80.7	82.9	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	85.0				
GE 4000	13.1	77.3	81.7	83.1	85.0	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.9				
GE 3000	13.1	77.4	81.2	83.0	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.2				
GE 2000	13.1	77.5	81.5	83.9	86.1	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.2				
GE 1000	13.1	77.7	81.7	84.3	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.3				
GE 0000	13.1	77.7	81.7	84.3	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.4				
GE 10000	13.1	77.7	81.7	84.3	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.4				
GE 9000	13.1	77.7	81.7	84.3	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.4				
GE 8000	13.1	77.7	81.7	84.3	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.4				
GE 7000	13.1	77.7	81.7	84.3	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.4				
GE 6000	13.1	77.7	81.7	84.3	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.4				
GE 5000	13.1	77.7	81.7	84.3	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.4				
GE 4000	13.1	77.7	81.7	84.3	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.4				
GE 3000	13.1	77.7	81.7	84.3	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.4				
GE 2000	13.1	77.7	81.7	84.3	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.4				
GE 1000	13.1	77.7	81.7	84.3	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.4				
GE 0000	13.1	77.7	81.7	84.3	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.4				

TOTAL NUMBER OF OBSERVATIONS: 540

PERCENTAGE FREQUENCY OF OCCURRENCE OF CILILING VERSUS VICINITY  
FROM FOURLY OBSERVATIONS

PERIOD OF RECORD: 78-67  
MONTH: JAN HOURS(EST): ALL

CRUISING FEET	VISIBILITY IN STATUTE MILES															
	1/2		3/4		1		1 1/4		1 1/2		1 3/4		2		2 1/4	
	1	1/2	1	1/2	1	1/2	1	1/2	1	1/2	1	1/2	1	1/2	1	1/2
57 00001	7.7	44.1	45.1	45.5	45.7	45.8	45.8	45.9	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.0
57 00001	7.8	49.3	50.5	51.0	51.3	51.4	51.4	51.5	51.5	51.5	51.5	51.6	51.6	51.6	51.6	51.7
57 10001	7.6	45.6	50.5	51.4	51.7	51.7	51.7	51.9	51.9	51.9	51.9	52.0	52.0	52.0	52.0	52.0
57 10001	7.6	46.7	50.9	51.5	51.6	51.8	51.8	51.9	51.9	52.0	52.0	52.1	52.1	52.1	52.1	52.1
57 14001	7.6	46.9	51.0	51.7	52.0	52.0	52.1	52.2	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.4
57 14001	7.7	50.7	51.9	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
57 18001	7.9	53.3	54.5	55.4	55.8	55.9	55.9	56.0	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.2
57 18001	7.9	54.0	55.5	56.1	56.5	56.5	56.6	56.7	56.7	56.7	56.7	56.8	56.8	56.8	56.8	56.9
57 22001	8.2	57.7	59.3	60.1	60.5	60.6	60.7	60.8	60.8	60.8	60.9	60.9	60.9	60.9	60.9	61.0
57 22001	8.3	59.7	60.9	61.1	61.6	61.7	61.7	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0
57 26001	8.3	59.5	61.0	61.5	62.4	62.5	62.5	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.9	62.9
57 30001	8.4	61.6	63.0	64.5	65.1	65.3	65.3	65.5	65.5	65.5	65.6	65.6	65.6	65.7	65.7	65.7
57 34001	8.9	65.3	67.4	68.5	69.3	69.4	69.5	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.9
57 38001	9.7	69.1	70.4	71.6	72.7	72.9	72.9	73.0	73.1	73.1	73.2	73.2	73.3	73.3	73.3	73.4
57 42001	9.6	71.9	73.5	75.0	76.1	76.4	76.5	76.6	76.6	76.7	76.8	76.8	76.9	76.9	76.9	77.0
57 46001	9.6	73.7	76.5	78.1	79.4	79.7	79.9	80.1	80.1	80.1	80.2	80.2	80.3	80.3	80.4	80.4
57 50001	9.9	75.1	79.1	79.8	81.7	81.6	81.9	82.1	82.1	82.2	82.3	82.4	82.4	82.4	82.4	82.4
57 54001	10.0	76.2	79.1	80.8	82.4	82.8	82.8	83.2	83.2	83.4	83.5	83.5	83.7	83.7	83.8	83.8
57 58001	10.1	76.2	79.7	81.1	82.7	82.8	83.0	83.3	83.3	83.4	83.5	83.7	84.1	84.1	84.1	84.2
57 62001	10.1	77.1	81.5	82.4	84.2	84.7	85.0	85.5	85.5	85.7	85.9	86.0	86.7	86.7	86.7	86.8
57 66001	10.1	77.7	81.2	83.0	85.2	85.7	86.2	86.6	86.6	86.6	86.7	87.1	87.1	87.2	87.2	87.2
57 70001	10.7	78.1	81.5	84.0	86.0	86.6	87.3	87.7	87.7	88.0	88.4	88.5	88.6	88.6	88.7	88.7
57 74001	10.7	78.1	81.5	84.0	86.0	86.6	87.3	87.7	87.7	88.0	88.4	88.5	88.6	88.6	88.7	88.7
57 78001	10.7	78.1	81.5	84.0	86.0	86.6	87.3	87.7	87.7	88.0	88.4	88.5	88.6	88.6	88.7	88.7
57 82001	10.7	78.1	81.5	84.0	86.0	86.6	87.3	87.7	87.7	88.0	88.4	88.5	88.6	88.6	88.7	88.7
57 86001	10.7	78.1	81.5	84.0	86.0	86.6	87.3	87.7	87.7	88.0	88.4	88.5	88.6	88.6	88.7	88.7
57 90001	10.7	78.1	81.5	84.0	86.0	86.6	87.3	87.7	87.7	88.0	88.4	88.5	88.6	88.6	88.7	88.7
57 94001	10.7	78.1	81.5	84.0	86.0	86.6	87.3	87.7	87.7	88.0	88.4	88.5	88.6	88.6	88.7	88.7
57 98001	10.7	78.1	81.5	84.0	86.0	86.6	87.3	87.7	87.7	88.0	88.4	88.5	88.6	88.6	88.7	88.7
57 10000	10.7	78.1	81.5	84.0	86.0	86.6	87.3	87.7	87.7	88.0	88.4	88.5	88.6	88.6	88.7	88.7

TABLE NUMBER OF OBSERVATIONS: 744.

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 0000-0200

CRUISE	VISIBILITY IN STATUTE MILES																	
	IN FEET	1 1/2	2	GE 1/4	GE 1/2	GE 3/4	GE 1	GE 1 1/2	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	
	1	1 1/2	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
01 00101	17.4	53.5	54.5	55.1	55.9	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	
02 00101	11.2	57.1	57.9	58.5	59.3	59.3	59.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	
03 00101	11.2	57.0	57.9	58.5	59.3	59.3	59.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	
04 00101	11.2	57.0	57.9	58.5	59.3	59.3	59.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	
05 00101	11.2	57.0	57.9	58.5	59.3	59.3	59.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	
06 00101	11.2	57.7	58.6	59.2	60.0	60.0	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	
07 00101	11.6	61.5	62.4	63.1	63.9	63.9	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	
08 00101	11.6	61.6	62.5	63.1	63.9	63.9	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	
09 00101	11.9	63.7	64.7	65.5	66.3	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	
10 00101	11.4	64.3	65.3	66.3	67.1	67.1	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	
11 00101	12.1	64.9	66.1	66.9	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	
12 00101	12.2	66.9	68.1	68.5	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	
13 00101	12.6	69.9	71.0	72.1	73.5	73.5	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	
14 00101	12.8	71.2	72.4	74.0	74.5	74.5	74.5	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	
15 00101	12.8	72.0	74.2	75.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	
16 00101	12.6	73.3	75.9	77.5	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	
17 00101	12.9	74.1	77.0	78.6	80.3	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	
18 00101	12.9	74.0	77.4	79.1	80.9	80.9	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	
19 00101	13.7	74.8	77.7	79.3	81.1	81.1	81.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	
20 00101	13.5	75.9	78.8	80.6	82.4	82.4	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	
21 00101	13.3	76.4	79.3	81.1	83.1	83.1	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	
22 00101	13.7	76.5	79.7	82.1	83.9	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	
23 00101	13.1	77.3	80.7	82.9	84.8	84.8	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	
24 00101	13.1	77.3	81.1	83.1	85.2	85.2	85.2	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	
25 00101	13.1	77.4	81.2	83.6	85.7	85.7	85.7	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	
26 00101	13.1	77.4	81.2	83.6	85.7	85.7	85.7	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	
27 00101	13.1	77.5	81.4	83.9	86.1	86.1	86.1	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	
28 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
29 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
30 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
31 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
32 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
33 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
34 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
35 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
36 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
37 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
38 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
39 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
40 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
41 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
42 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
43 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
44 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
45 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
46 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
47 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
48 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
49 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
50 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
51 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
52 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
53 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
54 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
55 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
56 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
57 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
58 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
59 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
60 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
61 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
62 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
63 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
64 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
65 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
66 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
67 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
68 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
69 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
70 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
71 00101	13.1	77.7	81.7	84.3	86.6	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4</	

TOTAL NUMBER OF OBSERVATIONS: 441

GLOBAL CLIMATOLOGY BRANCH  
WAFS/ATAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCQUIRRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 0300-0500

CEILING		VISIBILITY IN STATUTE MILES															
FEET	10	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	3/8	1/2	5/8	3/4	1
NO CEIL	9.7	52.8	57.7	64.1	54.7	54.6	54.6	54.9	54.8	54.6	54.8	55.0	55.0	55.0	55.0	55.0	55.0
GE 2000	10.6	56.5	57.4	58.0	58.6	59.0	59.1	59.1	59.1	59.1	59.1	59.2	59.3	59.3	59.3	59.3	59.3
GE 1800	10.6	56.6	57.6	58.2	58.7	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.3	59.5	59.5	59.5	59.5
GE 1600	10.6	56.6	57.6	58.2	58.7	59.1	59.2	59.2	59.2	59.2	59.2	59.3	59.3	59.5	59.5	59.5	59.5
GE 1400	10.6	56.7	57.7	58.3	58.9	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.5	59.6	59.6	59.6	59.6
GE 1200	10.6	57.6	59.5	59.1	59.7	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.3	60.4	60.4	60.4	60.4
GE 1000	11.0	60.5	61.7	62.4	63.1	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.7	63.8	63.8	63.8	63.8
GE 900	11.0	60.9	62.1	62.6	63.5	63.6	63.9	63.9	63.9	63.9	63.9	63.9	64.1	64.2	64.2	64.2	64.2
GE 800	11.3	63.1	64.5	65.0	66.4	66.6	66.9	66.9	66.9	66.9	66.9	66.9	67.0	67.1	67.1	67.1	67.1
GE 700	11.6	63.7	65.1	66.3	67.4	67.7	67.8	67.8	67.8	67.8	67.8	67.8	68.0	68.1	68.1	68.1	68.1
GE 600	11.6	64.4	65.8	67.0	68.1	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.7	68.8	68.8	68.8	68.8
GE 500	11.7	65.4	66.9	68.2	69.4	69.7	69.9	69.9	69.9	69.9	69.9	69.9	70.0	70.1	70.1	70.1	70.1
GE 400	11.9	67.1	68.6	70.3	71.5	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.2	72.3	72.3	72.3	72.3
GE 300	12.3	69.3	71.2	71.7	72.9	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.8	73.9	73.9	73.9	73.9
GE 200	12.6	69.9	72.1	73.9	75.3	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.1	76.2	76.2	76.2	76.2
GE 100	12.9	71.7	74.1	76.0	77.4	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.4	78.5	78.5	78.5	78.5
GE 0	12.9	72.6	75.2	77.3	78.8	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.8	79.9	79.9	79.9	79.9
GE 1000	12.9	73.3	76.0	78.4	79.9	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.2	81.3	81.3	81.3	81.3
GE 1100	12.9	73.3	76.0	78.4	80.0	81.0	81.2	81.3	81.3	81.3	81.3	81.3	81.4	81.6	81.6	81.6	81.6
GE 1200	13.0	74.1	76.8	79.3	81.0	82.2	82.4	82.5	82.5	82.5	82.5	82.5	82.6	82.7	82.7	82.7	82.7
GE 1300	13.0	74.6	77.4	79.9	81.5	82.7	83.0	83.1	83.1	83.1	83.1	83.1	83.2	83.3	83.3	83.3	83.3
GE 1400	13.0	74.8	77.4	80.3	81.9	83.1	83.8	84.2	84.2	84.2	84.2	84.2	84.3	84.4	84.4	84.4	84.4
GE 1500	13.0	75.4	78.6	81.2	83.1	84.3	85.0	85.3	85.3	85.3	85.3	85.3	85.6	85.7	85.7	85.7	85.7
GE 1600	13.0	75.4	78.6	81.5	83.5	85.1	85.9	86.4	86.4	86.4	86.4	86.4	86.6	86.8	87.1	87.1	87.1
GE 1700	13.0	75.4	79.2	81.9	83.9	85.6	86.4	87.0	87.0	87.0	87.0	87.0	87.4	87.5	87.9	87.9	87.9
GE 1800	13.0	75.7	79.4	82.2	84.7	85.9	86.9	87.5	87.5	87.5	87.5	87.5	88.1	88.2	88.8	88.8	88.8
GE 1900	13.0	75.8	79.6	82.4	84.6	86.5	87.9	88.7	89.0	89.0	89.0	89.0	89.4	89.5	90.0	91.1	91.1
GE 2000	13.0	75.9	79.4	82.9	85.5	87.7	89.4	90.1	90.4	90.4	90.4	90.4	91.3	91.4	92.6	92.6	92.9
GE 2100	13.0	75.9	79.9	83.0	85.8	88.4	90.4	91.3	91.6	91.6	91.6	91.6	92.3	92.7	94.1	94.1	94.6
GE 2200	13.0	75.9	79.9	83.0	85.8	88.5	90.5	91.5	91.8	91.8	91.8	91.8	92.7	93.5	95.2	95.3	96.3
GE 2300	13.0	75.9	79.9	83.0	85.8	88.5	90.5	91.5	91.8	91.8	91.8	91.8	92.6	93.6	95.5	96.1	96.7
GE 2400	13.0	75.9	79.9	83.0	85.8	88.5	90.5	91.5	91.8	91.8	91.8	91.8	92.6	93.6	95.5	96.1	96.7
GE 2500	13.0	75.9	79.9	83.0	85.8	88.5	90.5	91.5	91.8	91.8	91.8	91.8	92.6	93.6	95.5	96.1	96.7
GE 2600	13.0	75.9	79.9	83.0	85.8	88.5	90.5	91.5	91.8	91.8	91.8	91.8	92.6	93.6	95.5	96.1	96.7
GE 2700	13.0	75.9	79.9	83.0	85.8	88.5	90.5	91.5	91.8	91.8	91.8	91.8	92.6	93.6	95.5	96.1	96.7
GE 2800	13.0	75.9	79.9	83.0	85.8	88.5	90.5	91.5	91.8	91.8	91.8	91.8	92.6	93.6	95.5	96.1	96.7
GE 2900	13.0	75.9	79.9	83.0	85.8	88.5	90.5	91.5	91.8	91.8	91.8	91.8	92.6	93.6	95.5	96.1	96.7
GE 3000	13.0	75.9	79.9	83.0	85.8	88.5	90.5	91.5	91.8	91.8	91.8	91.8	92.6	93.6	95.5	96.1	96.7
GE 3100	13.0	75.9	79.9	83.0	85.8	88.5	90.5	91.5	91.8	91.8	91.8	91.8	92.6	93.6	95.5	96.1	96.7
GE 3200	13.0	75.9	79.9	83.0	85.8	88.5	90.5	91.5	91.8	91.8	91.8	91.8	92.6	93.6	95.5	96.1	96.7
GE 3300	13.0	75.9	79.9	83.0	85.8	88.5	90.5	91.5	91.8	91.8	91.8	91.8	92.6	93.6	95.5	96.1	96.7
GE 3400	13.0	75.9	79.9	83.0	85.8	88.5	90.5	91.5	91.8	91.8	91.8	91.8	92.6	93.6	95.5	96.1	96.7
GE 3500	13.0	75.9	79.9	83.0	85.8	88.5	90.5	91.5	91.8	91.8	91.8	91.8	92.6	93.6	95.5	96.1	96.7
GE 3600	13.0	75.9	79.9	83.0	85.8	88.5	90.5	91.5	91.8	91.8	91.8	91.8	92.6	93.6	95.5	96.1	96.7
GE 3700	13.0	75.9	79.9	83.0	85.8	88.5	90.5	91.5	91.8	91.8	91.8	91.8	92.6	93.6	95.5	96.1	96.7
GE 3800	13.0	75.9	79.9	83.0	85.8	88.5	90.5	91.5	91.8	91.8	91.8	91.8	92.6	93.6	95.5	96.1	96.7
GE 3900	13.0	75.9	79.9	83.0	85.8	88.5	90.5	91.5	91.8	91.8	91.8	91.8	92.6	93.6	95.5	96.1	96.7
GE 4000	13.0	75.9	79.9	83.0	85.8	88.5	90.5	91.5	91.8	91.8	91.8	91.8	92.6	93.6	95.5	96.1	96.7
GE 4100	13.0	75.9	79.9	83.0	85.8	88.5	90.5	91.5	91.8	91.8	91.8	91.8	92.6	93.6	95.5	96.1	96.7
GE 4200	13.0	75.9	79.9	83.0	85.8	88.5	90.5	91.5	91.8	91.8	91.8	91.8	92.6	93.6	95.5	96.1	96.7
GE 4300	13.0	75.9	79.9	83.0	85.8	88.5	90.5	91.5	91.8	91.8	91.8	91.8	92.6	93.6	95.5	96.1	96.7
GE 4400	13.0	75.9	79.9	83.0	85.8	88.5	90.5	91.5	91.8	91.8	91.8	91.8	92.6	93.6	95.5	96.1	96.7
GE 4500	13.0	75.9	79.9	83.0	85.8	88.5	90.5	91.5	91.8	91.8	91.8	91.8	92.6	93.6	95.5	96.1	96.7
GE 4600	13.0	75.9	79.9	83.0	85.8	88.5	90.5	91.5	91.8	91.8	91.8	91.8	92.6	93.6	95.5	96.1	96.7
GE 4700	13.0	75.9	79.9	83.0	85.8	88.5	90.5	91.5	91.8	91.8	91.8	91.8	92.6	93.6	95.5	96.1	96.7
GE 4800	13.0	75.9	79.9	83.0	85.8	88.5	90.5	91.5	91.8	91.8	91.8	91.8	92.6	93.6	95.5	96.1	96.7
GE 4900	13.0	75.9	79.9	83.0	85.8	88.5	90.5	91.5	91.8	91.8	91.8	91.8	92.6	93.6	95.5	96.1	96.7
GE 5000	13.0	75.9	79.9	83.0	85.8	88.5	90.5	91.5	91.8	91.8	91.8	91.8	92.6	93.6	95.5	96.1	96.7
GE 5100	13.0	75.9	79.9	83.0	85.8	88.5	90.5	91.5	91.8	91.8	91.8	91.8	92.6	93.6	95.5	96.1	96.7
GE 5200	13.0	75.9	79.9	83.0	85.8	88.5	90.5	91.5	91.8	91.8	91.8	91.8	92.6	93.6	95.5	96.1	96.7
GE 5300	13.0	75.9	79.9	83.0	85.8	88.5	90.5	91.5	91.8	91.8	91.8	91.8	92.6	93.6	95.5	96.1	96.7
GE 5400	13.0	75.9	79.9	83.0	85.8	88.5	90.5	91.5	91.8	91.8	91.8	91.8	92.6	93.6	95.5	96.1	96.7
GE 5500	13.0	75.9	79.9	83.0	85.8	88.5	90.5	91.5	91.8	91.8	91.8	91.8	92.6	93.6	95.5	96.1	96.7
GE 5600	13.0	75.9	79.9	83.0	85.8	88.5	90.5	91.5	91.8	91.8	91.8	91.8	92.6	93.6	95.5	96.1	96.7
GE 5700	13.0	75.9	79.9	83.0	85.8	88.5	90.5	91.5	91.8	91.8	91.8	91.8	92.6	93.6	95.5	96.1	96.7
GE 5800	13.0	75.9	79.9	83.0	85.8	88.5	90.5	91.5	91.8	91.8	91.8	91.8	92.6	93.6	95.5	96.1	96.7
GE 5900	13.0	75.9	79.9	83.0	85.8	88.5	90.5	91.5	91.8	91.8	91.8	91.8	92.6	93.6	95.5	96.1	96.7
GE 6000	13.0	75.9	79.9	83.0	85.8	88.5	90.5	91.5	91.8	91.8	91.8	91.8	92.6	93.6	95.5	96.1	96.7
GE 6100	13.0	75.9	79.9	83.0	85.8	88.5	90.5	91.5	91.8	91.8	91.8	91.8	92.6	93.6	95.5	96.1	96.7
GE 6200	13.0	75.9	79.9	83.0	85.8	88.5	90.5</										

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724095 STATION NAME: MCGLINE AFB NJ

PERIOD OF RECORD: 76-87

MONTH: FEB HOURS(IST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15	GE 16	GE 17
NO CEIL	7.7	47.0	48.3	49.1	49.2	49.3	49.3	49.3	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 2000	8.3	52.6	54.1	55.0	55.3	55.7	55.9	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 1800	8.3	52.7	54.3	55.1	55.4	55.8	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 1600	8.3	52.7	54.3	55.1	55.4	55.8	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 1400	8.3	52.7	54.3	55.1	55.4	55.8	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 1200	8.3	52.7	54.3	55.1	55.4	55.8	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 1000	8.4	55.8	57.3	58.0	59.1	59.5	59.7	59.8	59.8	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 900	8.4	56.3	57.8	59.1	59.6	60.0	60.3	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 800	8.9	58.9	60.5	62.3	62.9	63.6	63.9	63.9	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 700	9.6	60.6	62.6	64.2	64.4	65.5	65.7	65.8	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 600	9.6	61.8	63.7	65.5	66.2	66.9	67.1	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 500	9.8	63.6	65.5	67.3	68.0	68.8	69.1	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 400	9.8	65.7	67.6	69.5	70.3	71.2	71.6	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 300	10.7	68.7	70.7	72.6	73.4	74.7	75.3	75.5	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 200	10.7	68.2	70.2	72.0	73.8	74.7	75.3	75.5	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 100	10.7	69.8	71.3	73.9	75.5	76.5	77.1	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 0	10.8	69.7	72.7	75.3	77.0	77.9	78.6	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 2000	10.8	70.6	73.6	76.4	78.1	79.3	80.1	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 1800	10.8	70.6	73.6	76.4	78.1	79.4	79.4	80.3	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 1600	11.0	71.0	74.0	77.0	79.1	80.3	81.0	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 1400	11.0	71.2	74.3	77.3	79.3	80.5	81.0	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 1200	11.0	71.4	74.4	77.4	79.4	80.6	81.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 1000	11.0	72.1	75.1	78.1	80.1	81.1	82.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 900	11.0	72.5	75.5	78.5	80.5	81.5	82.5	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 800	11.0	72.6	75.6	78.6	80.6	81.6	82.6	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 700	11.0	72.8	75.8	78.8	80.8	81.8	82.8	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 600	11.0	72.8	75.8	78.8	80.8	81.8	82.8	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 500	11.0	72.8	75.8	78.8	80.8	81.8	82.8	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 400	11.0	72.8	75.8	78.8	80.8	81.8	82.8	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 300	11.0	72.8	75.8	78.8	80.8	81.8	82.8	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 200	11.0	72.8	75.8	78.8	80.8	81.8	82.8	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 100	11.0	72.8	75.8	78.8	80.8	81.8	82.8	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 0	11.0	72.8	75.8	78.8	80.8	81.8	82.8	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9

TOTAL NUMBER OF OBSERVATIONS: 840

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 0907-1100

CEILING	VISIBILITY IN STATUTE MILES															
	IN FEET	GE 1/8	GE 1/4	GE 3/8	GE 1/2	GE 3/4	GE 1	GE 1 1/4	GE 1 1/2	GE 1 3/4	GE 2	GE 2 1/4	GE 2 1/2	GE 2 3/4	GE 3	GE 3 1/4
NO CEIL	7.6	43.3	44.9	45.5	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
GE 10000	7.6	52.7	54.6	55.2	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 16000	9.0	53.1	55.0	55.6	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 19000	9.0	53.1	55.0	55.6	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 14000	9.0	53.5	55.4	56.0	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
GE 12000	9.1	55.0	56.9	57.4	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
GE 10000	9.1	57.2	59.2	60.2	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 9000	9.1	57.8	59.9	60.9	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 8000	9.8	61.9	64.2	65.1	65.8	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 7000	10.0	63.4	66.1	67.1	68.1	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 6000	10.2	63.8	66.5	67.6	68.6	68.7	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 5000	10.4	66.7	69.5	70.5	71.9	72.0	72.1	72.2	72.2	72.2	72.2	72.2	72.3	72.3	72.3	72.3
GE 4000	10.4	68.3	71.2	72.6	73.9	74.1	74.5	74.6	74.6	74.6	74.6	74.6	74.7	74.7	74.7	74.7
GE 3000	10.9	69.9	72.7	74.2	75.6	76.0	76.4	76.5	76.5	76.5	76.5	76.5	76.6	76.6	76.6	76.6
GE 2000	11.2	71.4	74.2	75.0	77.7	77.9	78.4	78.5	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6
GE 1000	11.3	72.6	75.7	77.4	79.3	79.6	80.0	80.1	80.2	80.2	80.2	80.2	80.4	80.4	80.4	80.4
GE 2000	11.6	73.5	76.6	78.4	80.5	80.9	81.3	81.4	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7
GE 1500	11.7	73.6	77.0	78.7	81.3	81.7	82.2	82.2	82.4	82.5	82.5	82.6	82.6	82.6	82.6	82.6
GE 1000	11.7	72.8	77.3	78.7	81.3	81.7	82.2	82.2	82.4	82.5	82.5	82.6	82.6	82.6	82.6	82.6
GE 1000	11.7	72.9	77.1	78.6	81.6	82.0	82.6	82.7	82.9	83.0	83.0	83.1	83.1	83.1	83.1	83.1
GE 1000	11.7	74.2	77.4	79.2	82.1	82.9	83.8	84.0	84.2	84.3	84.3	84.4	84.4	84.4	84.4	84.4
GE 1000	11.7	74.6	78.0	79.6	82.6	82.6	84.6	85.1	85.5	85.6	85.6	85.7	85.7	85.8	85.8	85.8
GE 1000	11.7	74.6	78.4	80.1	83.0	83.9	85.0	85.5	85.9	85.9	85.9	86.1	86.1	86.2	86.2	86.2
GE 1000	11.7	74.9	78.7	81.2	84.2	85.2	86.4	86.9	87.2	87.5	87.5	87.7	87.7	87.9	87.9	88.1
GE 1000	11.7	75.1	79.1	81.7	84.9	86.1	87.0	87.6	88.7	88.7	88.7	88.9	88.9	89.1	89.2	89.2
GE 1000	11.7	75.2	79.3	82.0	85.7	87.0	88.4	89.1	89.6	89.7	89.7	90.3	90.3	90.4	90.7	90.8
GE 1000	11.7	75.2	79.4	82.3	86.5	88.2	90.2	91.0	91.7	92.6	92.9	93.0	93.1	93.4	93.4	93.5
GE 1000	11.7	75.2	79.7	82.5	87.0	89.1	91.4	92.3	92.9	93.4	93.7	93.7	93.8	93.9	94.0	94.1
GE 1000	11.7	75.3	79.7	82.5	87.0	89.1	91.6	92.6	93.1	93.7	93.7	94.0	94.0	94.3	94.3	94.4
GE 1000	11.7	75.3	79.7	82.5	87.0	89.1	91.6	92.6	93.1	93.7	93.7	94.0	94.0	94.3	94.3	94.4
GE 1000	11.7	75.3	79.7	82.5	87.0	89.1	91.6	92.6	93.1	93.7	93.7	94.0	94.0	94.3	94.3	94.4
GE 1000	11.7	75.3	79.7	82.5	87.0	89.1	91.6	92.6	93.1	93.7	93.7	94.0	94.0	94.3	94.3	94.4

TOTAL NUMBER OF OBSERVATIONS: 545

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 1200-1400

[illegible]

TOTAL NUMBER OF OBSERVATIONS: 246

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 1500-1700

CEILING	VISIBILITY IN STATUTE MILES																		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
NO CEILING	1	2.4	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
01 100001	9.1	51.7	51.7	51.9	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
02 100001	9.1	51.7	51.7	51.9	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
03 160001	9.1	50.7	51.7	51.9	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
04 180001	9.1	50.5	51.5	52.0	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
05 120001	9.1	52.0	52.0	53.2	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
06 100001	9.8	56.9	57.8	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
07 900001	9.8	57.4	58.4	58.7	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
08 800001	10.0	62.0	63.1	63.5	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
09 700001	10.6	64.4	65.4	65.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
10 600001	10.6	65.5	66.4	66.7	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
11 500001	10.9	68.2	69.5	70.1	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
12 400001	10.9	70.4	72.1	72.7	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
13 300001	11.2	72.0	74.0	74.7	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
14 200001	11.5	74.9	77.1	77.9	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
15 100001	11.5	78.1	80.5	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
16 200001	12.1	79.0	81.6	82.4	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
17 100001	12.4	80.2	82.9	83.7	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
18 100001	12.4	80.4	83.0	83.8	84.4	84.9	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
19 100001	12.4	81.1	83.8	84.6	85.4	85.9	86.1</												

TOTAL NUMBER OF OBSERVATIONS: 240

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCQUEEN AFB TX

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(IST): 1800-2000

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
1	10	6	5	4	3	2	1 1/2	1	1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	9.5	50.1	50.1	50.5	50.7	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 2000	9.5	55.4	55.8	56.1	56.5	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 1800	9.5	55.4	55.8	56.1	56.5	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 1600	9.5	55.4	55.8	56.1	56.5	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 1400	9.5	55.8	56.1	56.5	56.9	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 1200	9.5	56.0	56.4	56.7	57.1	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 1000	10.7	61.1	61.7	62.2	62.5	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 900	10.2	61.5	62.1	62.5	62.9	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 800	10.5	65.0	65.7	66.2	66.5	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 700	10.5	65.5	66.3	66.5	67.1	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 600	10.5	66.1	67.7	67.5	68.1	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 500	10.5	66.4	69.7	70.2	70.8	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 400	11.0	70.9	72.0	73.0	73.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 300	11.0	70.6	74.7	75.4	76.0	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE 200	11.7	74.9	77.5	78.1	78.7	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 100	11.5	77.2	80.1	81.0	81.6	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 0	11.5	76.5	81.7	82.5	83.1	83.2	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 0	11.9	75.1	82.5	83.3	83.9	84.0	84.7	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 0	11.0	75.4	82.5	83.7	84.3	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 0	11.9	75.2	83.0	84.5	85.2	85.3	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 0	11.0	70.9	83.8	84.5	85.6	85.8	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 0	11.0	70.6	84.2	85.2	86.2	86.4	86.6	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 0	11.0	70.6	84.6	85.7	86.6	86.9	87.1	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 0	11.9	71.4	85.4	86.4	87.4	87.6	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 0	11.9	71.8	85.8	87.4	88.3	88.7	88.9	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 0	11.9	71.5	86.2	87.7	88.7	88.9	89.7	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 0	11.0	71.8	86.7	87.8	88.1	88.6	89.0	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 0	11.0	71.9	86.5	88.2	89.7	90.4	91.7	92.9	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 0	11.0	71.9	86.5	88.3	90.0	90.9	92.1	94.1	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 0	11.0	71.9	86.5	88.3	90.1	91.0	92.7	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 0	11.9	71.9	86.5	88.3	90.1	91.0	92.7	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4

TOTAL NUMBER OF OBSERVATIONS: 246

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 774056 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 78-87

MONTH: FEB HOURS(IST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 3/4	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16
NO CEIL	9.7	71.6	52.2	52.5	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 2000	10.7	56.4	56.9	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
GE 1800	10.7	56.6	57.0	57.4	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 1600	10.7	56.6	57.0	57.4	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 1400	10.7	57.2	57.0	58.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 1200	10.7	57.5	58.0	58.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 1000	11.0	61.2	61.8	62.2	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 900	11.2	61.4	62.0	62.5	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 800	11.6	64.5	65.3	65.8	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 700	11.6	65.0	66.3	66.7	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 600	11.6	65.7	67.1	67.5	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 500	11.7	68.6	70.4	70.9	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 400	12.3	70.7	72.7	73.3	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 300	12.3	72.0	74.1	74.8	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 200	12.4	74.7	77.5	78.3	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 100	12.5	76.3	79.9	80.6	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 0	12.5	77.3	80.5	81.9	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 1000	12.5	77.5	81.2	82.2	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 900	12.5	77.9	81.5	82.6	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 800	12.5	78.3	82.1	83.0	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 700	12.5	78.7	82.8	84.3	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 600	12.5	78.7	83.2	84.7	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 500	12.7	79.3	83.7	85.1	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 400	12.8	79.6	84.1	85.7	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 300	12.8	79.9	84.5	86.2	88.2	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 200	12.8	79.9	84.5	86.2	88.2	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 100	12.8	79.9	84.7	86.4	88.5	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 0	12.8	79.9	84.7	86.4	88.5	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 1000	12.8	80.0	84.9	86.6	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 900	12.8	80.0	84.9	86.6	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 800	12.8	80.0	84.9	86.6	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 700	12.8	80.0	84.9	86.6	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 600	12.8	80.0	84.9	86.6	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 500	12.8	80.0	84.9	86.6	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 400	12.8	80.0	84.9	86.6	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 300	12.8	80.0	84.9	86.6	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 200	12.8	80.0	84.9	86.6	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 100	12.8	80.0	84.9	86.6	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 0	12.8	80.0	84.9	86.6	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3

TOTAL NUMBER OF OBSERVATIONS: 445

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(IST): ALL

CEILING		VISIBILITY IN STATUTE MILES																
IN	FEET	1	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		1	1/2	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NO CEIL	1	9.8	48.5	49.4	49.8	50.2	50.2	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
1000	1	9.7	54.5	55.6	56.0	56.4	56.5	56.6	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7
1000	1	9.7	54.6	55.7	56.2	56.6	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
1000	1	9.7	54.6	55.7	56.2	56.6	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
1000	1	9.7	54.9	56.1	56.4	56.8	57.0	57.0	57.0	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1
1000	1	9.8	55.6	56.7	57.1	57.6	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
1000	1	10.1	59.2	60.4	61.1	61.4	61.5	61.6	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7
1000	1	10.1	59.6	60.8	61.4	61.9	62.0	62.1	62.1	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2
1000	1	10.1	63.5	64.5	65.0	65.6	65.7	65.8	65.8	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9
1000	1	10.9	64.1	65.6	66.4	67.0	67.2	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8
1000	1	10.9	64.8	66.7	67.1	67.4	68.0	68.1	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2
1000	1	11.1	67.0	68.0	69.7	70.5	70.7	70.8	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9
1000	1	11.1	69.1	71.0	72.0	72.9	73.1	73.2	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4
1000	1	11.6	70.4	72.5	73.7	74.6	74.8	75.0	75.1	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2
1000	1	12.0	72.5	74.9	76.2	77.2	77.5	77.7	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8
1000	1	12.1	74.3	77.1	78.5	79.5	80.1	80.2	80.4	80.4	80.4	80.5	80.6	80.6	80.6	80.6	80.6	80.6
1000	1	12.1	75.2	78.7	79.7	81.1	81.4	81.6	81.7	81.7	81.7	81.8	81.9	82.0	82.0	82.0	82.0	82.0
1000	1	12.2	75.0	78.9	80.4	82.0	82.4	82.6	82.8	82.8	82.8	82.9	83.0	83.1	83.1	83.1	83.1	83.1
1000	1	12.2	75.9	79.1	80.6	82.1	82.5	82.8	83.0	83.0	83.0	83.1	83.2	83.3	83.3	83.3	83.3	83.3
1000	1	12.2	76.6	79.7	81.4	83.1	83.5	83.8	84.0	84.1	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.4
1000	1	12.2	76.9	80.2	81.9	83.8	84.3	84.7	85.0	85.0	85.0	85.1	85.2	85.3	85.4	85.4	85.4	85.4
1000	1	12.3	77.1	80.7	82.6	84.6	85.2	85.7	86.2	86.2	86.2	86.5	86.6	86.7	86.8	86.8	86.8	86.8
1000	1	12.3	77.7	81.2	83.0	85.2	85.8	86.4	86.9	87.0	87.2	87.5	87.5	87.6	87.6	87.6	87.6	87.6
1000	1	12.3	77.9	81.7	83.9	86.0	86.7	87.4	88.1	88.2	88.5	88.7	88.8	89.0	89.0	89.0	89.0	89.0
1000	1	12.3	78.1	82.0	84.4	86.6	87.5	88.2	89.1	89.2	89.6	89.7	89.9	90.1	90.2	90.2	90.2	90.2
1000	1	12.3	78.1	82.0	84.6	86.9	87.9	88.8	89.7	89.7	90.3	90.6	90.7	90.9	91.0	91.0	91.0	91.0
1000	1	12.3	78.2	82.4	84.9	87.5	88.7	89.8	90.9	91.1	91.5	91.7	92.0	92.2	92.6	92.7	92.7	92.7
1000	1	12.3	78.3	82.6	85.0	88.1	89.4	90.9	92.3	92.6	93.4	93.8	93.9	94.4	94.5	94.5	94.5	94.5
1000	1	12.3	78.3	82.7	85.3	88.7	89.8	91.5	93.1	93.6	94.6	95.0	95.4	95.9	96.1	96.2	96.4	96.4
1000	1	12.3	78.3	82.7	85.4	88.4	89.9	91.7	93.5	93.6	95.1	95.7	96.2	97.1	97.6	97.9	98.4	98.4
1000	1	12.3	78.3	82.7	85.4	88.4	89.9	91.7	93.5	94.0	95.2	96.1	96.3	97.3	97.9	98.5	99.7	99.7
1000	1	12.3	78.3	82.7	85.4	88.4	89.9	91.7	93.5	94.0	95.2	96.1	96.3	97.3	97.9	98.5	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 6767

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

PERIOD OF RECORD: 78-87  
MONTH: MAR COUNTERS: 0000-0200

CEILING				VISIBILITY IN STATUTE MILES																
IN FEET	1 1/2	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
NO CEIL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
NO CEIL	1	7.3	51.1	52.2	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
05 200001	3.7	56.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
05 180001	3.7	56.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
05 160001	3.7	56.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
05 140001	3.7	56.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
05 120001	3.7	56.9	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
05 100001	3.7	59.1	60.6	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
05 900001	3.7	60.2	61.6	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
05 800001	3.7	62.6	64.1	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
05 700001	3.7	64.8	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
05 600001	3.7	66.2	66.7	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
05 500001	3.7	68.5	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
05 400001	3.7	70.6	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
05 300001	3.7	72.4	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
05 200001	3.7	74.9	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
05 100001	3.7	77.3	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
05 000001	3.7	79.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
05 200001	10.6	81.1	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
05 100001	10.6	83.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
05 000001	10.6	84.8																		

TOTAL NUMBER OF OBSERVATIONS : 340

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS (LST): 0300-0500

BUILDING	VISIBILITY IN STATUTE MILES																	
	IN FEET	GE 1/7	GE 6	GE 5	GE 4	GL 3	GL 2	GL 2	GL 1 1/2	GL 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 9/16	GE 1/4	GE 0	
NO BUILD	1	7.5	47.4	43.5	49.1	47.5	49.5	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	
CD 10000	1	7.4	52.0	53.2	54.1	54.4	54.4	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	
CD 18000	1	7.4	52.0	53.2	54.1	54.4	54.4	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	
CD 16000	1	7.4	52.0	53.2	54.1	54.4	54.4	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	
CD 14000	1	7.4	52.3	53.4	54.3	54.6	54.6	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	
CD 12000	1	7.4	52.1	53.7	55.2	55.5	55.5	55.5	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	
CD 10000	1	7.5	56.9	56.1	57.1	57.4	57.4	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	
CD 9000	1	7.5	56.2	57.4	58.4	58.7	58.7	59.3	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	
CD 8000	1	7.6	61.3	61.1	61.1	61.4	61.4	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	
CD 7000	1	7.6	62.8	61.1	62.2	62.4	62.4	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	
CD 6000	1	7.6	63.5	62.7	63.2	63.3	63.3	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	
CD 5000	1	7.4	64.9	66.7	66.0	68.3	68.3	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	
CD 4000	1	7.7	72.4	72.3	72.5	73.9	74.1	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	
CD 3000	1	7.7	71.2	73.3	74.8	75.3	75.4	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	
CD 2500	1	7.4	73.1	75.4	77.1	77.5	77.6	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	
CD 2000	1	7.4	77.6	80.1	81.8	82.4	82.4	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	
CD 1800	1	7.5	74.5	+1.5	+3.5	84.2	+4.4	84.7	+4.8	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	
CD 1600	1	7.5	79.4	87.6	84.7	85.5	86.7	86.7	86.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	
CD 1400	1	7.5	79.4	87.6	84.7	85.5	86.7	86.7	86.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	
CD 1200	1	7.5	79.4	87.6	84.7	85.5	86.7	86.7	86.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	
CD 1000	1	7.5	79.4	87.6	84.7	85.5	86.7	86.7	86.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	
CD 900	1	7.5	79.4	87.6	84.7	85.5	86.7	86.7	86.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	
CD 800	1	7.5	79.4	87.6	84.7	85.5	86.7	86.7	86.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	
CD 700	1	7.5	79.4	87.6	84.7	85.5	86.7	86.7	86.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	
CD 600	1	7.5	79.4	87.6	84.7	85.5	86.7	86.7	86.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	
CD 500	1	7.5	79.4	87.6	84.7	85.5	86.7	86.7	86.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	
CD 400	1	7.5	79.4	87.6	84.7	85.5	86.7	86.7	86.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	
CD 300	1	7.5	79.4	87.6	84.7	85.5	86.7	86.7	86.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	
CD 200	1	7.5	79.4	87.6	84.7	85.5	86.7	86.7	86.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	
CD 100	1	7.5	79.4	87.6	84.7	85.5	86.7	86.7	86.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	
CD 50	1	7.5	79.4	87.6	84.7	85.5	86.7	86.7	86.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	
CD 25	1	7.5	79.4	87.6	84.7	85.5	86.7	86.7	86.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	
CD 10	1	7.5	79.4	87.6	84.7	85.5	86.7	86.7	86.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	
CD 5	1	7.5	79.4	87.6	84.7	85.5	86.7	86.7	86.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	
CD 2	1	7.5	79.4	87.6	84.7	85.5	86.7	86.7	86.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	
CD 1	1	7.5	79.4	87.6	84.7	85.5	86.7	86.7	86.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	

TOTAL NUMBER OF OBSERVATIONS: 240

GENERAL CLIMATOLOGY BRANCH  
 WFFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 774097 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 75-87  
 MONTH: MAR HOURS(EST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15	GE 16
NO CEIL	74.7	49.3	49.3	49.3	47.4	47.5	47.4	48.0	49.7	49.7	49.3	49.3	49.3	49.3	49.3	48.5
CE 2000	8.1	49.7	50.9	51.2	52.1	52.5	52.4	52.9	52.9	53.1	57.2	53.2	53.2	53.2	57.2	53.4
CE 1800	8.1	49.7	50.9	51.2	52.0	52.5	52.4	52.9	52.9	53.1	57.2	53.2	53.2	53.2	53.2	53.4
CE 1600	8.1	49.7	50.9	51.2	52.0	52.5	52.4	52.9	52.9	53.1	57.2	53.2	53.2	53.2	53.2	53.4
CE 1400	8.1	49.7	51.0	51.3	52.2	52.6	52.9	53.0	53.7	53.2	57.3	53.3	53.3	53.3	53.3	53.5
CE 1200	8.1	50.6	51.9	52.3	57.1	53.5	53.9	54.0	54.7	54.2	54.3	54.3	54.3	54.3	54.3	54.5
CE 1000	8.4	54.1	55.5	55.8	56.7	57.1	57.4	57.5	57.5	57.7	57.4	57.8	57.8	57.8	57.8	58.2
CE 800	8.5	54.9	56.3	56.7	57.5	58.0	58.3	58.4	58.4	58.6	59.7	58.7	59.7	59.7	59.8	59.0
CE 600	8.5	54.9	56.2	56.5	57.4	57.8	58.2	58.4	58.4	58.6	59.7	58.7	59.7	59.7	59.8	59.0
CE 400	8.6	60.0	61.7	62.2	63.2	63.4	63.9	64.0	64.0	64.2	64.3	64.3	64.3	64.3	64.4	64.6
CE 200	8.6	61.0	62.5	62.9	63.8	64.2	64.5	64.7	64.7	64.9	65.1	65.1	65.1	65.1	65.2	65.4
CE 100	8.9	63.2	65.3	66.1	67.2	67.4	67.7	68.1	68.3	68.2	68.3	68.3	68.3	68.3	68.4	68.6
CE 50	9.4	65.0	70.1	71.0	71.3	72.3	72.6	72.8	72.8	73.0	73.1	73.1	73.1	73.1	73.2	73.5
CE 30	9.4	68.6	72.7	73.0	74.0	74.4	74.7	74.9	74.9	75.2	75.2	75.3	75.3	75.3	75.4	75.7
CE 20	9.7	71.5	74.7	74.9	75.9	76.5	76.8	77.0	77.7	77.3	77.3	77.3	77.3	77.3	77.4	77.7
CE 10	9.7	72.0	77.2	76.2	79.2	79.6	80.1	80.3	80.9	80.6	80.9	80.8	80.8	80.8	80.9	81.2
CE 5	9.7	75.4	76.5	76.9	81.2	81.7	82.0	82.3	82.4	82.6	82.7	82.7	82.7	82.7	82.8	83.1
CE 3	9.7	76.2	79.7	81.1	82.4	82.9	83.5	83.4	83.7	84.1	84.2	84.2	84.2	84.2	84.3	84.6
CE 2	9.7	76.7	79.6	81.5	82.6	83.2	83.9	84.1	84.2	84.4	84.5	84.5	84.5	84.5	84.6	84.9
CE 1	9.7	77.1	81.2	81.5	83.5	84.5	85.7	85.9	86.7	86.2	86.3	86.3	86.3	86.3	86.5	86.8
CE 0	9.7	76.0	81.7	73.3	84.6	85.3	86.5	86.7	86.8	87.0	87.1	87.1	87.1	87.1	87.2	87.5
CE 0.5	9.7	76.2	82.1	83.2	85.3	86.2	87.5	87.7	87.8	88.2	88.4	88.4	88.4	88.4	88.5	88.8
CE 0.25	9.7	76.2	82.3	84.1	85.6	86.6	89.0	88.2	88.3	88.6	88.7	88.7	88.7	88.7	88.8	89.2
CE 0.1	9.7	76.4	82.5	84.5	86.1	87.2	88.7	88.9	89.7	89.4	89.6	89.6	89.7	89.7	89.8	90.1
CE 0.05	9.7	76.4	82.5	84.5	86.0	86.0	89.5	89.7	89.8	90.1	90.1	90.3	90.4	90.4	90.5	90.9
CE 0.025	9.7	76.4	82.4	85.8	86.0	89.2	91.0	91.4	91.5	91.8	91.8	92.3	92.4	92.4	92.5	92.5
CE 0.01	9.7	76.4	84.4	86.7	87.5	89.5	92.5	93.1	93.2	93.5	94.7	94.3	94.2	94.2	94.3	94.6
CE 0.005	9.7	76.4	84.4	87.1	89.4	91.4	93.3	93.9	94.1	94.6	95.2	95.4	95.4	95.4	95.5	95.8
CE 0.0025	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.001	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.0005	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.00025	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.0001	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.00005	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.000025	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.00001	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.000005	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.0000025	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.000001	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.0000005	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.00000025	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.0000001	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.00000005	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.000000025	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.00000001	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.000000005	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.0000000025	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.000000001	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.0000000005	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.00000000025	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.0000000001	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.00000000005	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.000000000025	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.00000000001	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.000000000005	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.0000000000025	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.000000000001	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.0000000000005	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.00000000000025	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.0000000000001	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.00000000000005	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.000000000000025	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.00000000000001	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.000000000000005	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.0000000000000025	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.000000000000001	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.0000000000000005	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.00000000000000025	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.0000000000000001	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.00000000000000005	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.000000000000000025	9.7	76.4	84.4	87.2	89.5	92.2	94.5	95.2	95.4	96.3	97.1	97.1	97.1	97.1	97.7	98.1
CE 0.00000000000000001	9.7	76.4	84.4	87.2	89											

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AFW WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURTY OBSERVATIONS

STATION NUMBER: 704296 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 79-87  
MONTH: MAR HOURS(EST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	1	10	6	7	9	5	2	1/2	2	1	1/2	1	1/4	1	3/4	1/8
	1	10	6	7	9	5	2	1/2	2	1	1/2	1	1/4	1	3/4	1/8
NO CEIL	1	17.7	49.6	47.2	49.6	49.1	49.4	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
05 0900Z	11.2	52.8	53.2	54.3	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
07 1000Z	11.2	52.8	53.4	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
09 1600Z	11.2	52.8	53.4	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
05 1400Z	11.2	53.1	53.7	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
05 1200Z	11.3	53.8	54.4	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
05 1000Z	11.5	56.7	57.3	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
05 0900Z	11.5	57.0	57.6	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
05 0800Z	11.5	61.6	61.3	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
05 0700Z	12.3	62.5	63.1	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
05 0600Z	12.3	63.5	64.4	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
05 0500Z	12.7	65.4	66.6	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
05 0400Z	12.3	68.9	70.5	71.7	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
05 0300Z	12.3	72.0	73.7	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
05 0200Z	13.1	74.5	76.1	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
05 0100Z	13.0	77.0	79.0	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
05 0000Z	13.0	77.7	80.3	82.3	83.3	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
04 2300Z	13.2	78.5	80.9	83.2	84.1	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
04 2200Z	13.2	78.6	81.2	83.3	84.3	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
04 2100Z	13.7	83.3	82.7	84.2	86.1	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
04 2000Z	13.7	83.9	83.3	85.1	87.4	87.8	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
04 1900Z	13.7	84.1	84.1	86.1	88.1	88.5	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
04 1800Z	13.7	84.7	84.7	86.6	89.1	89.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
04 1700Z	13.7	84.7	84.7	86.6	89.1	89.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
04 1600Z	13.7	84.7	84.7	86.6	89.1	89.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
04 1500Z	13.7	84.7	84.7	86.6	89.1	89.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
04 1400Z	13.7	84.7	84.7	86.6	89.1	89.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
04 1300Z	13.7	84.7	84.7	86.6	89.1	89.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
04 1200Z	13.7	84.7	84.7	86.6	89.1	89.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
04 1100Z	13.7	84.7	84.7	86.6	89.1	89.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
04 1000Z	13.7	84.7	84.7	86.6	89.1	89.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
04 0900Z	13.7	84.7	84.7	86.6	89.1	89.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
04 0800Z	13.7	84.7	84.7	86.6	89.1	89.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
04 0700Z	13.7	84.7	84.7	86.6	89.1	89.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
04 0600Z	13.7	84.7	84.7	86.6	89.1	89.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
04 0500Z	13.7	84.7	84.7	86.6	89.1	89.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
04 0400Z	13.7	84.7	84.7	86.6	89.1	89.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
04 0300Z	13.7	84.7	84.7	86.6	89.1	89.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
04 0200Z	13.7	84.7	84.7	86.6	89.1	89.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
04 0100Z	13.7	84.7	84.7	86.6	89.1	89.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
04 0000Z	13.7	84.7	84.7	86.6	89.1	89.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6

TOTAL NUMBER OF OBSERVATIONS: 430

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

DTG: 0100 (P) SEC: 74-87  
 MONTH: MAR HOURS (LST): 1200-1400

[illegible]

**TABLE SUMMARY OF DISPERSED DATA**

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 74-87  
MONTH: MAR      HOURS(EST): 1500-1700

[illegible]

© 1994 by John Wiley & Sons, Inc.

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

PG 100 OF 210000: 78-87

MONTH: MAR HOURS(EST): 1800-2000

[illegible]

\* The following information was obtained from the U.S. Census Bureau:

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 76-87  
MONTH: MAR HOURS(DST): 2100-2300

REF ID				VISIBILITY IN STATUTE MILES																	
				GE 1	GE 1 1/2	GE 2	GE 2 1/2	GE 3	GE 3 1/2	GE 4	GE 4 1/2	GE 5	GE 5 1/2	GE 6	GE 6 1/2	GE 7	GE 7 1/2	GE 8	GE 8 1/2	GE 9	
FLT	1	1 1/2	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
5	0110	1	114.5	114.6	114.6	114.7	114.7	114.8	114.8	114.9	114.9	115.0	115.0	115.1	115.1	115.2	115.2	115.3	115.3	115.4	115.4
6	0110	1	114.7	114.7	114.8	114.8	114.9	114.9	115.0	115.0	115.1	115.1	115.2	115.2	115.3	115.3	115.4	115.4	115.5	115.5	115.6
7	0110	1	114.7	114.7	114.8	114.8	114.9	114.9	115.0	115.0	115.1	115.1	115.2	115.2	115.3	115.3	115.4	115.4	115.5	115.5	115.6
8	0110	1	114.7	114.7	114.8	114.8	114.9	114.9	115.0	115.0	115.1	115.1	115.2	115.2	115.3	115.3	115.4	115.4	115.5	115.5	115.6
9	0110	1	114.7	114.7	114.8	114.8	114.9	114.9	115.0	115.0	115.1	115.1	115.2	115.2	115.3	115.3	115.4	115.4	115.5	115.5	115.6
10	0110	1	114.7	114.7	114.8	114.8	114.9	114.9	115.0	115.0	115.1	115.1	115.2	115.2	115.3	115.3	115.4	115.4	115.5	115.5	115.6
11	0110	1	114.7	114.7	114.8	114.8	114.9	114.9	115.0	115.0	115.1	115.1	115.2	115.2	115.3	115.3	115.4	115.4	115.5	115.5	115.6
12	0110	1	114.7	114.7	114.8	114.8	114.9	114.9	115.0	115.0	115.1	115.1	115.2	115.2	115.3	115.3	115.4	115.4	115.5	115.5	115.6
13	0110	1	114.7	114.7	114.8	114.8	114.9	114.9	115.0	115.0	115.1	115.1	115.2	115.2	115.3	115.3	115.4	115.4	115.5	115.5	115.6
14	0110	1	114.7	114.7	114.8	114.8	114.9	114.9	115.0	115.0	115.1	115.1	115.2	115.2	115.3	115.3	115.4	115.4	115.5	115.5	115.6
15	0110	1	114.7	114.7	114.8	114.8	114.9	114.9	115.0	115.0	115.1	115.1	115.2	115.2	115.3	115.3	115.4	115.4	115.5	115.5	115.6
16	0110	1	114.7	114.7	114.8	114.8	114.9	114.9	115.0	115.0	115.1	115.1	115.2	115.2	115.3	115.3	115.4	115.4	115.5	115.5	115.6
17	0110	1	114.7	114.7	114.8	114.8	114.9	114.9	115.0	115.0	115.1	115.1	115.2	115.2	115.3	115.3	115.4	115.4	115.5	115.5	115.6
18	0110	1	114.7	114.7	114.8	114.8	114.9	114.9	115.0	115.0	115.1	115.1	115.2	115.2	115.3	115.3	115.4	115.4	115.5	115.5	115.6
19	0110	1	114.7	114.7	114.8	114.8	114.9	114.9	115.0	115.0	115.1	115.1	115.2	115.2	115.3	115.3	115.4	115.4	115.5	115.5	115.6
20	0110	1	114.7	114.7	114.8	114.8	114.9	114.9	115.0	115.0	115.1	115.1	115.2	115.2	115.3	115.3	115.4	115.4	115.5	115.5	115.6
21	0110	1	114.7	114.7	114.8	114.8	114.9	114.9	115.0	115.0	115.1	115.1	115.2	115.2	115.3	115.3	115.4	115.4	115.5	115.5	115.6
22	0110	1	114.7	114.7	114.8</																

TOTAL NUMBER OF OBSERVATIONS: 100

CLIMATE CLIMATOLOGY BRANCH  
USAFITAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 72496 STATION NAME: MCQUIRE AFB TX

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(EST): ALL

CEILING		VISIBILITY IN STATUTE MILES																
IN FEET	1	GE 1	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15	GE 16	GE 17
NO CEIL	1	4.7	47.1	47.0	46.1	46.3	46.3	46.4	46.4	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
1-200	1	10.0	51.1	52.9	54.3	54.4	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
201-400	1	10.0	52.3	54.1	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
401-600	1	10.0	53.3	54.1	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
601-800	1	10.0	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
801-1000	1	10.0	54.2	55.1	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
1001-1200	1	10.0	57.2	59.1	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
1201-1400	1	10.0	57.6	58.8	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
1401-1600	1	10.0	61.3	62.6	62.9	63.1	63.1	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
1601-1800	1	10.0	62.6	64.0	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
1801-2000	1	10.0	63.0	64.9	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
2001-2200	1	11.0	66.4	67.8	68.5	68.6	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
2201-2400	1	11.0	70.0	71.7	72.5	72.7	72.8	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
2401-2600	1	11.0	74.6	74.7	75.6	76.0	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
2601-2800	1	11.0	76.1	76.1	76.2	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
2801-3000	1	12.0	76.7	81.1	82.0	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
3001-3200	1	12.0	79.7	82.5	83.0	84.2	84.4	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
3201-3400	1	12.1	84.4	87.1	88.0	88.2	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
3401-3600	1	12.1	87.5	88.0	88.5	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
3601-3800	1	12.1	81.2	84.7	85.7	86.5	86.7	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
3801-4000	1	12.1	81.7	84.7	86.5	87.4	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
4001-4200	1	12.1	84.1	86.0	87.2	88.3	88.7	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
4201-4400	1	12.1	87.5	89.5	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
4401-4600	1	12.1	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
4601-4800	1	12.1	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
4801-5000	1	12.1	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
5001-5200	1	12.1	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
5201-5400	1	12.1	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
5401-5600	1	12.1	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
5601-5800	1	12.1	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
5801-6000	1	12.1	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
6001-6200	1	12.1	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
6201-6400	1	12.1	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
6401-6600	1	12.1	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
6601-6800	1	12.1	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
6801-7000	1	12.1	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
7001-7200	1	12.1	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
7201-7400	1	12.1	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
7401-7600	1	12.1	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
7601-7800	1	12.1	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
7801-8000	1	12.1	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
8001-8200	1	12.1	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
8201-8400	1	12.1	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
8401-8600	1	12.1	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
8601-8800	1	12.1	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
8801-9000	1	12.1	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
9001-9200	1	12.1	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
9201-9400	1	12.1	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
9401-9600	1	12.1	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
9601-9800	1	12.1	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
9801-10000	1	12.1	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9

TOTAL NUMBER OF OBSERVATIONS: 10000

U.S. CLIMATOLOGY BRANCH  
WILLIAM  
U.S. WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74000 STATION NAME: MCQUIRE AFB TX

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(IST): 0000-0200

CEILING		VISIBILITY IN STATUTE MILES																	
FEET	1	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	1	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 1/2	4 3/4
0-100	7.7	49.1	49.7	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
101-200	7.8	52.8	53.8	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
201-300	7.8	52.8	53.8	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
301-400	7.8	53.1	54.1	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
401-500	7.8	53.9	54.9	55.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
501-600	8.0	56.1	57.1	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
601-700	8.0	56.4	57.4	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
701-800	8.0	61.2	61.7	61.9	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
801-900	8.0	61.3	62.4	63.0	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
901-1000	8.4	62.1	63.3	63.9	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
1001-1200	8.6	64.6	66.2	67.0	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
1201-1400	8.7	68.0	69.7	70.4	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
1401-1600	8.9	72.3	72.6	73.4	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
1601-1800	9.1	72.3	74.9	75.9	76.5	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
1801-2000	9.2	74.6	76.7	77.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
2001-2200	9.2	74.6	77.4	78.7	79.8	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
2201-2400	9.2	75.2	78.1	79.3	80.6	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
2401-2600	9.2	75.4	78.3	79.6	80.9	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
2601-2800	9.2	76.0	78.9	80.1	81.3	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
2801-3000	9.4	76.9	79.9	81.4	82.7	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
3001-3200	9.6	77.6	80.7	82.3	83.7	84.0	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
3201-3400	9.6	77.9	81.0	82.5	84.0	84.3	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
3401-3600	9.6	78.2	81.1	83.0	84.6	84.9	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
3601-3800	9.6	78.2	81.1	83.1	85.1	85.1	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
3801-4000	9.6	78.6	81.6	83.6	86.1	86.6	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
4001-4200	9.6	79.1	82.2	84.1	87.6	88.4	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
4201-4400	9.6	79.1	82.2	84.3	89.2	89.3	91.2	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
4401-4600	9.6	79.2	82.3	85.4	88.1	88.1	89.9	92.3	93.6	93.8	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
4601-4800	9.6	79.2	82.3	85.4	88.3	88.4	89.9	92.6	93.9	94.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
4801-5000	9.6	79.2	82.3	85.4	88.3	88.4	89.9	92.6	93.9	94.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
5001-5200	9.6	79.2	82.3	85.4	88.3	88.4	89.9	92.6	93.9	94.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
5201-5400	9.6	79.2	82.3	85.4	88.3	88.4	89.9	92.6	93.9	94.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
5401-5600	9.6	79.2	82.3	85.4	88.3	88.4	89.9	92.6	93.9	94.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
5601-5800	9.6	79.2	82.3	85.4	88.3	88.4	89.9	92.6	93.9	94.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
5801-6000	9.6	79.2	82.3	85.4	88.3	88.4	89.9	92.6	93.9	94.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
6001-6200	9.6	79.2	82.3	85.4	88.3	88.4	89.9	92.6	93.9	94.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
6201-6400	9.6	79.2	82.3	85.4	88.3	88.4	89.9	92.6	93.9	94.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
6401-6600	9.6	79.2	82.3	85.4	88.3	88.4	89.9	92.6	93.9	94.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
6601-6800	9.6	79.2	82.3	85.4	88.3	88.4	89.9	92.6	93.9	94.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
6801-7000	9.6	79.2	82.3	85.4	88.3	88.4	89.9	92.6	93.9	94.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
7001-7200	9.6	79.2	82.3	85.4	88.3	88.4	89.9	92.6	93.9	94.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
7201-7400	9.6	79.2	82.3	85.4	88.3	88.4	89.9	92.6	93.9	94.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
7401-7600	9.6	79.2	82.3	85.4	88.3	88.4	89.9	92.6	93.9	94.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
7601-7800	9.6	79.2	82.3	85.4	88.3	88.4	89.9	92.6	93.9	94.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
7801-8000	9.6	79.2	82.3	85.4	88.3	88.4	89.9	92.6	93.9	94.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
8001-8200	9.6	79.2	82.3	85.4	88.3	88.4	89.9	92.6	93.9	94.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
8201-8400	9.6	79.2	82.3	85.4	88.3	88.4	89.9	92.6	93.9	94.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
8401-8600	9.6	79.2	82.3	85.4	88.3	88.4	89.9	92.6	93.9	94.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
8601-8800	9.6	79.2	82.3	85.4	88.3	88.4	89.9	92.6	93.9	94.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
8801-9000	9.6	79.2	82.3	85.4	88.3	88.4	89.9	92.6	93.9	94.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
9001-9200	9.6	79.2	82.3	85.4	88.3	88.4	89.9	92.6	93.9	94.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
9201-9400	9.6	79.2	82.3	85.4	88.3	88.4	89.9	92.6	93.9	94.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
9401-9600	9.6	79.2	82.3	85.4	88.3	88.4	89.9	92.6	93.9	94.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
9601-9800	9.6	79.2	82.3	85.4	88.3	88.4	89.9	92.6	93.9	94.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
9801-10000	9.6	79.2	82.3	85.4	88.3	88.4	89.9	92.6	93.9	94.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4

TOTAL NUMBER OF OBSERVATIONS: 600

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704096 STATION NAME: MCCUIRE AFB NJ

PERIOD OF RECORD: 78-87

MONTH: APR

HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NO CEIL	5.7	46.9	48.4	49.0	50.0	50.1	50.7	50.3	50.3	50.3	50.3	50.4	50.4	50.6	50.6	50.8
GE 2000	6.1	50.9	52.6	53.7	54.2	54.3	54.6	54.6	54.6	54.7	54.7	54.8	54.8	54.9	54.9	55.2
GE 1600	6.1	50.9	52.6	53.7	54.2	54.3	54.6	54.6	54.6	54.7	54.7	54.8	54.8	54.9	54.9	55.2
GE 1200	6.1	50.9	52.6	53.7	54.2	54.3	54.6	54.6	54.6	54.7	54.7	54.8	54.8	54.9	54.9	55.2
GE 1000	6.1	51.0	52.7	53.8	54.3	54.4	54.7	54.7	54.7	54.8	54.8	54.9	54.9	55.0	55.0	55.3
GE 800	6.1	51.7	53.3	54.4	55.0	55.1	55.3	55.3	55.3	55.4	55.4	55.6	55.6	55.7	55.7	56.0
GE 600	6.1	54.7	56.6	57.7	58.2	58.3	58.6	58.6	58.6	58.7	58.7	58.8	58.8	58.9	58.9	59.2
GE 400	6.1	54.8	56.7	57.8	58.3	58.4	58.7	58.7	58.7	58.8	58.8	58.9	58.9	59.0	59.0	59.3
GE 200	6.2	57.9	60.0	61.3	61.7	62.0	62.2	62.2	62.2	62.3	62.3	62.4	62.4	62.6	62.6	62.9
GE 100	6.2	59.0	61.1	62.4	63.1	63.2	63.4	63.4	63.4	63.6	63.7	63.7	63.8	63.8	64.1	64.2
GE 50	6.4	59.6	61.8	63.1	63.8	63.9	64.1	64.1	64.1	64.2	64.3	64.3	64.4	64.4	64.8	64.9
GE 25	6.4	62.0	64.6	65.9	66.6	66.7	66.9	66.9	66.9	67.0	67.1	67.1	67.2	67.2	67.6	67.7
GE 15	6.6	65.2	67.8	69.1	69.6	70.0	70.2	70.2	70.2	70.3	70.4	70.4	70.7	70.7	71.0	71.1
GE 10	6.7	66.3	69.0	70.3	71.1	71.4	71.7	71.8	71.8	71.9	72.0	72.0	72.2	72.2	72.6	72.7
GE 5	7.2	68.5	71.3	72.7	73.6	73.9	74.1	74.2	74.2	74.3	74.4	74.4	74.7	74.7	75.0	75.1
GE 2	7.4	70.2	73.0	74.0	75.4	75.8	76.1	76.3	76.3	76.4	76.6	76.6	76.8	76.8	77.1	77.2
GE 1	7.4	72.0	75.0	76.8	77.7	78.0	78.4	78.7	78.7	78.8	79.2	79.2	79.4	79.4	79.6	79.6
GE 0.5	7.6	73.0	76.0	77.9	79.3	79.3	79.8	80.0	80.0	80.1	80.2	80.2	80.4	80.4	80.8	80.9
GE 0.25	7.6	73.0	76.0	77.9	79.3	79.4	79.9	80.1	80.1	80.2	80.3	80.3	80.6	80.6	80.9	81.0
GE 0.1	7.6	73.2	76.2	78.2	79.4	79.6	80.3	80.7	80.7	80.8	80.9	80.9	81.1	81.1	81.4	81.6
GE 0.05	7.6	73.8	77.1	79.3	80.7	81.0	81.8	82.1	82.1	82.3	82.4	82.4	82.7	82.7	83.0	83.1
GE 0.025	7.6	74.1	77.7	79.9	81.3	81.7	82.6	82.9	83.0	83.2	83.3	83.3	83.6	83.6	83.9	84.0
GE 0.01	7.6	74.3	77.9	80.3	82.0	82.3	83.2	83.7	83.8	84.1	84.2	84.2	84.4	84.4	84.8	84.9
GE 0.005	7.6	74.4	78.2	80.7	82.4	82.6	83.7	84.1	84.2	84.6	84.7	84.7	84.9	84.9	85.2	85.3
GE 0.0025	7.6	75.0	78.9	81.3	83.4	83.8	84.9	85.4	85.6	85.9	86.1	86.1	86.3	86.3	86.7	86.8
GE 0.001	7.6	75.3	79.5	82.3	85.3	85.7	86.9	87.4	87.6	87.9	88.1	88.1	88.3	88.3	88.7	88.8
GE 0.0005	7.6	75.6	80.2	83.3	86.4	87.2	88.4	89.4	89.7	90.1	90.4	90.4	90.8	90.8	91.1	91.2
GE 0.00025	7.6	76.1	80.9	84.9	87.6	88.8	90.2	91.6	91.7	92.4	92.9	92.9	93.2	93.2	93.6	93.7
GE 0.0001	7.6	76.2	81.0	85.0	87.5	89.0	90.9	92.6	92.7	93.9	94.6	94.6	95.3	95.4	96.0	96.1
GE 0.00005	7.6	76.2	81.0	85.0	87.5	89.0	91.1	93.1	93.7	94.7	95.7	95.7	96.9	97.0	97.7	97.8
GE 0.000025	7.6	76.2	81.0	85.0	87.5	89.0	91.1	93.1	93.7	94.7	95.7	95.7	97.4	97.8	98.8	99.6
GE 0.00001	7.6	76.2	81.0	85.0	87.5	89.0	91.1	93.1	93.7	94.7	95.7	95.7	97.4	97.8	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704096 STATION NAME: MCGLIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES																		
	1	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 1/2	4 3/4
NO CEIL	4.4	39.2	47.3	40.9	41.4	41.9	42.0	42.1	42.1	42.2	42.2	42.2	42.3	42.3	42.3	42.4	42.8		
GE 2000	5.4	44.2	45.9	46.6	47.2	47.7	47.8	47.9	48.0	48.0	48.0	48.1	48.1	48.1	48.2	48.6			
GE 1800	5.7	44.7	46.3	47.0	47.7	48.1	48.2	48.3	48.3	48.4	48.4	48.4	48.4	48.4	48.6	48.7	49.0		
GE 1600	5.7	44.7	46.3	47.0	47.7	48.1	48.2	48.3	48.3	48.4	48.4	48.4	48.4	48.4	48.6	48.7	49.0		
GE 1400	5.7	44.8	46.4	47.1	47.8	48.2	48.3	48.4	48.4	48.6	48.6	48.6	48.7	48.7	48.8	49.1			
GE 1200	5.8	45.4	47.1	47.8	48.4	48.9	49.0	49.1	49.1	49.2	49.2	49.2	49.3	49.3	49.4	49.8			
GE 1000	6.1	47.8	49.6	50.2	50.9	51.3	51.4	51.6	51.6	51.7	51.7	51.7	51.8	51.8	51.9	52.2			
GE 900	6.1	48.1	49.9	50.6	51.2	51.7	51.8	51.9	51.9	52.0	52.0	52.0	52.1	52.1	52.2	52.6			
GE 800	6.1	52.4	54.6	55.4	56.2	56.7	56.8	56.9	56.9	57.0	57.0	57.0	57.1	57.1	57.2	57.6			
GE 700	6.8	54.7	56.9	57.8	58.6	59.0	59.1	59.2	59.2	59.3	59.3	59.3	59.4	59.4	59.6	59.9			
GE 600	6.9	55.3	57.7	58.6	59.3	59.8	59.9	60.0	60.0	60.1	60.1	60.1	60.2	60.2	60.3	60.7			
GE 500	6.9	58.6	61.1	62.2	63.4	64.0	64.1	64.2	64.2	64.3	64.3	64.3	64.6	64.6	64.7	65.0			
GE 400	7.0	62.4	65.0	66.2	67.4	68.0	68.2	68.3	68.3	68.4	68.4	68.4	68.7	68.7	68.8	69.1			
GE 300	7.1	64.4	67.4	68.6	70.0	70.6	70.8	70.9	70.9	71.0	71.0	71.0	71.2	71.2	71.3	71.7			
GE 200	7.3	66.4	69.7	71.1	72.4	73.1	73.3	73.4	73.4	73.6	73.6	73.6	73.8	73.8	73.9	74.2			
GE 100	7.4	68.2	71.6	73.1	74.6	75.2	75.4	75.6	75.6	75.8	75.8	75.8	76.0	76.0	76.2	76.6			
GE 000	7.4	69.7	73.1	74.7	76.3	77.0	77.3	77.4	77.4	77.7	77.7	77.7	77.9	77.9	78.1	78.4			
GE 000	7.4	70.0	73.4	75.1	76.8	77.6	77.9	78.1	78.1	78.3	78.3	78.3	78.6	78.6	78.8	79.1			
GE 000	7.4	70.0	73.4	75.1	76.8	77.6	78.0	78.2	78.2	78.4	78.4	78.4	78.7	78.7	78.9	79.2			
GE 000	7.4	70.6	74.4	76.2	77.9	78.7	79.1	79.3	79.3	79.6	79.6	79.6	79.8	79.8	80.0	80.3			
GE 000	7.4	71.2	75.2	77.2	79.2	80.2	80.7	81.0	81.0	81.2	81.2	81.2	81.4	81.4	81.7	82.0			
GE 000	7.4	71.7	75.9	78.1	80.2	81.2	81.8	82.3	82.3	82.7	82.7	82.7	83.0	83.0	83.2	83.6			
GE 000	7.4	71.7	75.9	78.2	80.3	81.3	82.0	82.6	82.6	82.9	82.9	82.9	83.2	83.2	83.4	83.8			
GE 000	7.4	71.8	76.1	78.6	81.2	82.4	83.3	84.1	84.1	84.4	84.4	84.4	84.9	84.9	85.1	85.4			
GE 000	7.4	71.9	76.2	78.9	81.3	83.0	84.1	84.9	84.9	85.3	85.3	85.3	85.8	85.8	86.0	86.3			
GE 000	7.4	72.6	77.0	79.9	82.2	84.8	86.2	87.0	87.0	87.9	87.9	87.9	88.1	88.1	88.4	88.7			
GE 000	7.4	72.8	77.6	80.6	83.3	86.3	88.2	89.3	89.4	90.4	90.4	90.4	90.8	90.8	91.1	91.3			
GE 000	7.4	72.9	77.7	81.0	83.9	87.1	89.3	90.4	90.9	92.3	92.3	92.3	92.9	92.9	93.2	93.4			
GE 000	7.4	72.9	77.8	81.3	84.8	88.2	90.9	92.7	92.9	94.4	94.4	94.4	95.6	95.6	96.0	96.2			
GE 000	7.4	72.9	77.8	81.3	84.8	88.3	91.1	93.2	93.4	95.0	95.0	95.0	96.3	96.3	97.4	97.7			
GE 000	7.4	72.9	77.8	81.3	84.8	88.3	91.2	93.3	93.6	95.1	95.1	95.1	96.4	96.4	97.9	98.3			
GE 000	7.4	72.9	77.8	81.3	84.8	88.3	91.2	93.3	93.6	95.1	95.1	95.1	96.4	96.4	97.9	98.3			
GE 000	7.4	72.9	77.8	81.3	84.8	88.3	91.2	93.3	93.6	95.1	95.1	95.1	96.4	96.4	97.9	98.3			
GE 000	7.4	72.9	77.8	81.3	84.8	88.3	91.2	93.3	93.6	95.1	95.1	95.1	96.4	96.4	97.9	98.3			
GE 000	7.4	72.9	77.8	81.3	84.8	88.3	91.2	93.3	93.6	95.1	95.1	95.1	96.4	96.4	97.9	98.3			
GE 000	7.4	72.9	77.8	81.3	84.8	88.3	91.2	93.3	93.6	95.1	95.1	95.1	96.4	96.4	97.9	98.3			
GE 000	7.4	72.9	77.8	81.3	84.8	88.3	91.2	93.3	93.6	95.1	95.1	95.1	96.4	96.4	97.9	98.3			
GE 000	7.4	72.9	77.8	81.3	84.8	88.3	91.2	93.3	93.6	95.1	95.1	95.1	96.4	96.4	97.9	98.3			
GE 000	7.4	72.9	77.8	81.3	84.8	88.3	91.2	93.3	93.6	95.1	95.1	95.1	96.4	96.4	97.9	98.3			
GE 000	7.4	72.9	77.8	81.3	84.8	88.3	91.2	93.3	93.6	95.1	95.1	95.1	96.4	96.4	97.9	98.3			
GE 000	7.4	72.9	77.8	81.3	84.8	88.3	91.2	93.3	93.6	95.1	95.1	95.1	96.4	96.4	97.9	98.3			
GE 000	7.4	72.9	77.8	81.3	84.8	88.3	91.2	93.3	93.6	95.1	95.1	95.1	96.4	96.4	97.9	98.3			
GE 000	7.4	72.9	77.8	81.3	84.8	88.3	91.2	93.3	93.6	95.1	95.1	95.1	96.4	96.4	97.9	98.3			
GE 000	7.4	72.9	77.8	81.3	84.8	88.3	91.2	93.3	93.6	95.1	95.1	95.1	96.4	96.4	97.9	98.3			
GE 000	7.4	72.9	77.8	81.3	84.8	88.3	91.2	93.3	93.6	95.1	95.1	95.1	96.4	96.4	97.9	98.3			
GE 000	7.4	72.9	77.8	81.3	84.8	88.3	91.2	93.3	93.6	95.1	95.1	95.1	96.4	96.4	97.9	98.3			
GE 000	7.4	72.9	77.8	81.3	84.8	88.3	91.2	93.3	93.6	95.1	95.1	95.1	96.4	96.4	97.9	98.3			
GE 000	7.4	72.9	77.8	81.3	84.8	88.3	91.2	93.3	93.6	95.1	95.1	95.1	96.4	96.4	97.9	98.3			
GE 000	7.4	72.9	77.8	81.3	84.8	88.3	91.2	93.3	93.6	95.1	95.1	95.1	96.4	96.4	97.9	98.3			
GE 000	7.4	72.9	77.8	81.3	84.8	88.3	91.2	93.3	93.6	95.1	95.1	95.1	96.4	96.4	97.9	98.3			
GE 000	7.4	72.9	77.8	81.3	84.8	88.3	91.2	93.3	93.6	95.1	95.1	95.1	96.4	96.4	97.9	98.3			
GE 000	7.4	72.9	77.8	81.3	84.8	88.3	91.2	93.3	93.6	95.1	95.1	95.1	96.4	96.4	97.9	98.3			
GE 000	7.4	72.9	77.8	81.3	84.8	88.3	91.2	93.3	93.6	95.1	95.1	95.1	96.4	96.4	97.9	98.3			
GE 000	7.4	72.9	77.8	81.3	84.8	88.3	91.2	93.3	93.6	95.1	95.1	95.1	96.4	96.4	97.9	98.3			
GE 000	7.4	72.9	77.8	81.3	84.8	88.3	91.2	93.3	93.6	95.1	95.1	95.1	96.4	96.4	97.9	98.3			
GE 000	7.4	72.9	77.8	81.3	84.8	88.3	91.2	93.3	93.6	95.1	95.1	95.1	96.4	96.4	97.9	98.3			
GE 000	7.4	72.9	77.8	81.3	84.8	88.3	91.2	93.3	93.6	95.1	95.1	95.1	96.4	96.4	97.9	98.3			
GE 000	7.4	72.9	77.8	81.3	84.8	88.3	91.2	93.3	93.6	95.1	95.1	95.1	96.4	96.4	97.9	98.3			
GE 000	7.4	72.9	77.8	81.3	84.8	88.3	91.2	93.3	93.6	95.1	95.1	95.1	96.4	96.4	97.9	98.3			
GE 000	7.4	72.9	77.8	81.3	84.8	88.3	91.2	93.3	93.6	95.1	95.1	95.1	96.4	96.4	97.9	98.3			
GE 000	7.4	72.9	77.8	81.3	84.8	88.3	91.2	93.3	93.6	95.1	95.1	95.1	96.4	96.4	97.9	98.3			
GE 000	7.4	72.9	77.8	81.3	84.8	88.3	91.2	93.3	93.6	95.1	95.1	95.1	96.4	96.4	97.9	98.3			
GE 000	7.4	72.9	77.8	81.3	84.8	88.3	91.2	93.3	93.6	95.1	95.1	95.1	96.4	96.4	97.9	98.3			
GE 000	7.4	72.9	77.8	81.3	84.8	88.3	91.2	93.3	93.6	95.1	95.1	95.1	96.4	96.4	97.9	98.3			
GE 000	7.4	72.9	77.8	81.3	84.8	88.3	91.2	93.3	93.6	95.1	95.1	95.1	96.4	96.4	97.9	98.3			
GE 000	7.4	72.9	77.8	81.3	84.8	88.3	91.2	93.3	93.6	95.1	95.1	95.1	96.4	96.4	97.9	98.3			
GE 000	7.4	72.9	77.8	81.3	84.8	88.3	91.2	93.3	93.6	95.1	95.1	95.1	96.4	96.4	97.9	98.3			
GE 000	7.4	72.9	77.8	81.3	84.8	88.3	91.2	93.3	93.6	95.1	95.1	95.1	96.4	96.4	97.9	98.3			
GE 000	7.4	72.9	77.8	81.3	84.8	88.3	91.2	93.3											

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 774096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87

MONTH: APR HOURS(LST): 0900-1100

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	10	6	5	4	3	2	1 1/2	1	1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	5.9	42.3	43.4	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
GE 20000	7.2	48.8	50.1	51.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
GE 17000	7.2	48.9	50.2	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 16000	7.2	48.9	50.2	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 14000	7.2	48.9	50.2	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 12000	7.6	49.7	51.0	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 10000	8.2	53.1	54.6	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 9000	8.2	53.1	54.6	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 8000	8.8	57.0	58.6	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 7000	9.0	58.2	59.5	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 6000	9.0	59.1	60.7	61.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 5000	9.1	61.3	63.2	63.4	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 4500	9.1	64.3	66.2	66.6	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 4000	9.2	68.9	71.1	71.3	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 3500	10.0	71.6	73.6	74.2	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 3000	10.4	74.4	77.0	77.9	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 2500	10.4	75.7	78.2	79.3	79.8	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 2000	10.6	76.8	79.4	81.6	81.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 1500	10.6	76.9	79.6	81.7	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 1000	10.7	77.7	80.0	81.5	82.7	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 800	10.7	78.6	81.6	82.8	83.9	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 600	10.7	79.0	82.4	84.1	85.3	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 400	10.7	79.1	82.7	84.6	85.9	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 300	10.7	79.2	83.3	85.4	87.0	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 200	10.7	79.4	83.9	86.3	88.6	89.4	90.0	90.4	90.6	90.7	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 100	10.7	79.4	84.0	86.6	89.8	91.2	92.0	92.4	92.6	92.6	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 50	10.7	80.1	84.7	87.6	91.1	93.1	94.3	95.0	95.1	95.4	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 40	10.7	80.1	84.7	87.6	92.0	94.2	95.8	96.6	96.7	97.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 30	10.7	80.1	84.9	87.9	92.3	94.6	96.6	97.7	97.8	98.3	99.1	99.2	99.2	99.2	99.2	99.2	99.2
GE 20	10.7	80.1	84.9	87.9	92.3	94.6	96.6	97.7	97.9	98.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0
GE 10	10.7	80.1	84.9	87.9	92.3	94.6	96.6	97.7	97.9	98.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 200

GLOBAL CLIMATOLOGY BRANCH  
USAF/CIAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS (LST): 1200-1400

CEILING		VISIBILITY IN STATUTE MILES																	
IN FEET	1 10	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0		
NO CTE	1	1.4	42.0	42.4	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6		
GE 25000	7.2	49.9	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4		
GE 16000	7.4	50.3	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9		
GE 10000	9.4	50.3	50.4	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9		
GE 7000	9.4	50.8	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3		
GE 4000	9.7	51.6	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1		
GE 3000	10.1	52.9	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4		
GE 2000	10.3	53.1	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7		
GE 1500	10.7	56.7	57.0	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4		
GE 1000	11.1	58.0	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8		
GE 800	11.1	58.7	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4		
GE 600	11.1	60.6	61.2	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8		
GE 400	11.1	63.0	63.7	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4		
GE 300	12.7	69.4	70.2	71.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1		
GE 200	12.3	72.2	73.1	73.8	74.0	74.1	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3		
GE 100	13.1	77.3	78.7	79.3	79.6	79.7	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9		
GE 50	13.0	80.0	81.6	82.3	82.6	82.7	82.8	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9		
GE 40	13.3	81.3	82.9	83.9	84.1	84.2	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4		
GE 30	13.3	81.7	83.2	84.3	84.7	84.8	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1		
GE 20	13.3	83.1	84.7	86.2	86.6	86.7	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0		
GE 10	13.3	83.7	85.4	87.1	87.6	87.7	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0		
GE 5	13.3	84.8	86.9	89.2	90.2	90.4	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9		
GE 4	13.3	84.8	87.1	89.7	90.9	91.0	91.2	91.2	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4		
GE 3	13.3	85.2	87.8	90.3	91.9	92.1	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4		
GE 2	13.3	85.2	87.9	90.6	92.1	92.4	92.7	92.7	92.9	93.1	93.6	93.6	93.6	93.6	93.6	93.6	93.6		
GE 1	13.3	85.6	89.2	91.0	93.1	93.4	93.9	94.3	94.6	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3		
GE 0	13.3	86.0	89.7	91.9	94.3	94.7	95.7	96.4	96.7	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4		
GE 0	13.4	86.1	89.8	92.1	94.7	95.3	96.4	97.2	97.4	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3		
GE 0	13.6	86.2	89.9	92.2	94.9	95.6	96.8	97.0	97.4	98.0	98.0	98.0	98.0	98.2	98.2	98.2	98.2		
GE 0	13.6	86.2	89.9	92.3	95.1	95.6	97.2	98.4	98.7	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6		
GE 0	13.6	86.2	88.9	92.3	95.1	95.8	97.2	98.4	98.7	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6		
GE 0	13.6	86.2	88.9	92.3	95.1	95.8	97.2	98.4	98.7	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6		

TOTAL NUMBER OF OBSERVATIONS: 700

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 720096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(IST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16
NO CEIL	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
GE 20000	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 14000	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 16000	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 14000	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 12000	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
GE 10000	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 9000	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 8000	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 7000	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 5000	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 5000	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 4000	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 4000	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 3000	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 3000	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 2500	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 2000	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 1500	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 1500	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 1000	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 1000	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 900	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 800	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 700	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 600	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 500	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 400	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 300	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAF/AFAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURTY OBSERVATIONS

STATION NUMBER: 724095 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 74-87  
MONTH: APR HOURS/DAYS: 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	1/2	3/4	1	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7
NO CEIL	1	8.4	45.6	45.6	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
01 2000	9.6	53.2	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
01 1800	9.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
01 1600	9.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
01 1400	9.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
01 1200	9.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
01 1000	9.6	55.7	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
01 0800	9.7	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
01 0600	10.0	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
01 0400	10.1	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
01 0200	10.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
02 0000	10.6	66.6	66.6	66.6	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
02 0200	10.7	70.0	70.0	70.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
02 0400	10.8	72.1	72.1	72.1	73.6	73.6	73.6	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
02 0600	11.4	75.6	75.6	75.6	77.1	77.1	77.1	77.1	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
02 0800	11.6	78.7	78.7	78.7	80.3	80.3	80.3	80.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
02 1000	11.6	80.3	80.3	80.3	82.2	82.2	82.2	82.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
02 1200	11.6	80.7	80.7	80.7	83.2	83.2	83.2	83.2	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
02 1400	11.6	81.2	81.2	81.2	83.3	83.3	83.3	83.3	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
02 1600	11.6	82.1	82.1	82.1	83.4	83.4	83.4	83.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
02 1800	11.6	82.2	82.2	82.2	83.6	83.6	83.6	83.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
03 0000	11.6	82.6	82.6	82.6	83.9	83.9	83.9	83.9	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
03 0200	11.6	83.0	83.0	83.0	85.1	85.1	85.1	85.1	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
03 0400	11.6	83.3	83.3	83.3	85.4	85.4	85.4	85.4	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
03 0600	11.6	83.7	83.7	83.7	85.7	85.7	85.7	85.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
03 0800	11.6	83.8	83.8	83.8	85.8	85.8	85.8	85.8	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
03 1000	11.6	84.0	84.0	84.0	86.0	86.0	86.0	86.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
03 1200	11.6	84.1	84.1	84.1	86.1	86.1	86.1	86.1	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
03 1400	11.6	84.1	84.1	84.1	86.1	86.1	86.1	86.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
03 1600	11.6	84.1	84.1	84.1	86.1	86.1	86.1	86.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
03 1800	11.6	84.1	84.1	84.1	86.1	86.1	86.1	86.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
03 2000	11.6	84.1	84.1	84.1	86.1	86.1	86.1	86.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
04 0000	11.6	84.1	84.1	84.1	86.1	86.1	86.1	86.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
04 0200	11.6	84.1	84.1	84.1	86.1	86.1	86.1	86.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
04 0400	11.6	84.1	84.1	84.1	86.1	86.1	86.1	86.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
04 0600	11.6	84.1	84.1	84.1	86.1	86.1	86.1	86.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
04 0800	11.6	84.1	84.1	84.1	86.1	86.1	86.1	86.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
04 1000	11.6	84.1	84.1	84.1	86.1	86.1	86.1	86.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
04 1200	11.6	84.1	84.1	84.1	86.1	86.1	86.1	86.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
04 1400	11.6	84.1	84.1	84.1	86.1	86.1	86.1	86.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
04 1600	11.6	84.1	84.1	84.1	86.1	86.1	86.1	86.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
04 1800	11.6	84.1	84.1	84.1	86.1	86.1	86.1	86.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
04 2000	11.6	84.1	84.1	84.1	86.1	86.1	86.1	86.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4

TOTAL NUMBER OF OBSERVATIONS: 720

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): 2100-2300

TOTAL NUMBER OF OBSERVATIONS: 912

CLIMATE CLIMATOLOGY BRANCH  
USAF/CLC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS (LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	6.9	44.3	45.1	45.4	45.6	45.7	45.7	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	46.0
GE 2000	7.9	50.4	51.2	51.7	51.9	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.2	52.2	52.3
GE 1800	8.0	50.6	51.5	51.9	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.4
GE 1600	8.0	50.6	51.5	51.9	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.5
GE 1400	8.0	50.9	51.9	52.2	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.8
GE 1200	8.0	51.7	52.6	53.0	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.5	53.5	53.5	53.5	53.6	53.7
GE 1000	8.4	53.9	54.8	55.2	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.7	55.7	55.7	55.7	55.8	55.9
GE 900	8.4	54.1	55.1	55.5	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.9	55.9	55.9	56.0	56.0	56.1
GE 800	8.7	58.0	59.2	59.7	60.0	60.1	60.1	60.1	60.1	60.1	60.2	60.2	60.2	60.3	60.3	60.3	60.4
GE 700	8.9	59.4	60.6	61.1	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.8	61.9
GE 600	9.0	60.2	61.5	62.0	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.7	62.8
GE 500	9.1	62.9	64.5	65.2	65.5	65.7	65.8	65.8	65.8	65.8	65.8	65.9	65.9	65.9	65.9	66.0	66.1
GE 400	9.2	66.1	67.8	68.5	69.1	69.2	69.3	69.3	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.5	69.6
GE 300	9.4	69.2	71.1	71.9	72.5	72.7	72.8	72.8	72.8	72.8	72.9	72.9	72.9	73.0	73.0	73.1	73.2
GE 250	9.9	72.0	74.0	74.9	75.6	75.8	75.9	75.9	76.0	76.0	76.0	76.1	76.1	76.2	76.2	76.3	76.3
GE 200	10.7	74.9	77.1	78.1	78.9	79.1	79.2	79.3	79.3	79.4	79.4	79.5	79.5	79.5	79.6	79.7	79.7
GE 180	10.3	76.4	78.7	79.9	80.6	81.1	81.3	81.3	81.3	81.4	81.4	81.5	81.5	81.5	81.5	81.7	81.7
GE 160	10.4	77.2	79.5	80.9	81.8	82.2	82.3	82.4	82.4	82.5	82.5	82.6	82.6	82.7	82.7	82.8	82.8
GE 140	10.4	77.4	79.8	81.1	82.1	82.4	82.7	82.7	82.7	82.8	82.8	82.9	82.9	83.0	83.0	83.1	83.2
GE 120	10.4	78.0	80.5	82.0	83.1	83.4	83.7	83.8	83.8	83.9	83.9	83.9	84.0	84.0	84.0	84.1	84.2
GE 100	10.4	78.6	81.3	82.9	84.2	84.6	84.9	85.0	85.1	85.2	85.2	85.2	85.3	85.3	85.3	85.4	85.5
GE 80	10.5	79.1	82.0	83.9	85.5	86.0	86.4	86.7	86.7	86.9	87.0	87.0	87.0	87.1	87.1	87.2	87.2
GE 60	10.5	79.2	82.2	84.2	86.0	86.5	86.9	87.2	87.2	87.4	87.4	87.5	87.5	87.6	87.6	87.7	87.8
GE 40	10.5	79.5	82.6	84.8	86.6	87.3	87.8	88.2	88.3	88.4	88.4	88.6	88.6	88.7	88.7	88.8	88.8
GE 20	10.5	79.7	82.9	85.2	87.4	88.1	88.7	89.2	89.2	89.5	89.5	89.6	89.6	89.7	89.7	89.8	89.9
GE 10	10.5	80.0	83.3	85.7	88.5	89.3	90.1	90.6	90.7	91.1	91.2	91.2	91.2	91.4	91.4	91.5	91.6
GE 500	10.5	80.3	83.4	86.4	89.8	90.9	92.1	92.8	92.9	93.4	93.6	93.6	93.6	93.8	93.8	93.9	94.0
GE 400	10.5	80.5	83.9	87.7	90.5	91.9	93.3	94.2	94.4	95.0	95.2	95.3	95.3	95.4	95.4	95.5	95.6
GE 300	10.5	80.5	84.7	88.9	92.8	94.4	96.2	97.5	97.7	98.5	98.7	98.7	98.7	98.8	98.8	98.9	99.0
GE 200	10.5	80.5	84.7	88.9	92.8	94.4	96.2	97.5	97.7	98.5	98.7	98.7	98.7	98.8	98.8	98.9	99.0
GE 100	10.5	80.5	84.7	88.9	92.8	94.4	96.2	97.5	97.7	98.5	98.7	98.7	98.7	98.8	98.8	98.9	99.0
GE 50	10.5	80.5	84.7	88.9	92.8	94.4	96.2	97.5	97.7	98.5	98.7	98.7	98.7	98.8	98.8	98.9	99.0
GE 10	10.5	80.5	84.7	88.9	92.8	94.4	96.2	97.5	97.7	98.5	98.7	98.7	98.7	98.8	98.8	98.9	99.0

TOTAL NUMBER OF OBSERVATIONS: 7000

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS.

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(DAYS): 0000-0200

CEILING	VISIBILITY IN STATUTE MILES																	
	1/8	1/4	3/8	1/2	5/8	3/4	1	1 1/8	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2
	FEET	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 1/2	4 3/4	5
50' 000'	1	4.7	47.1	44.7	43.8	43.3	42.4	41.9	41.0	40.1	39.2	38.3	37.4	36.5	35.6	34.7	33.8	32.9
50' 100'	7.1	40.9	48.7	50.0	50.5	50.8	50.3	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
50' 200'	7.1	47.1	48.8	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
50' 300'	7.1	47.2	48.8	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
50' 400'	7.1	47.1	46.0	50.3	50.4	50.6	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
50' 500'	7.1	47.3	49.2	50.4	50.6	50.8	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
50' 600'	7.6	51.2	51.4	54.6	57.2	57.4	57.4	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
50' 700'	7.6	51.4	53.4	55.2	57.5	57.7	58.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
50' 800'	7.8	55.7	58.3	59.7	60.2	60.4	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
50' 900'	8.0	57.5	58.1	61.3	64.5	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
50' 000'	9.0	53.6	61.3	61.8	65.3	65.5	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
50' 100'	9.3	61.1	64.1	65.7	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
50' 200'	9.5	63.0	66.3	68.2	70.8	71.0	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
50' 300'	9.6	64.4	67.7	69.7	72.6	72.8	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
50' 400'	9.6	66.1	69.7	71.7	74.4	74.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
50' 500'	9.7	67.2	71.4	73.7	75.3	75.8	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
50' 600'	9.7	67.8	72.0	74.5	77.2	77.6	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
50' 700'	9.7	68.7	73.3	76.0	78.9	79.5	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
50' 800'	9.7	68.8	73.4	76.1	79.0	79.6	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
50' 900'	9.7	69.7	74.6	77.6	81.0	81.5	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
50' 000'	9.7	70.2	75.2	76.2	81.6	82.3	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
50' 100'	9.7	71.2	76.3	79.5	82.9	83.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
50' 200'	9.7	71.2	76.5	79.7	83.1	83.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
50' 300'	9.7	71.4	76.7	80.0	83.5	84.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
50' 400'	9.7	71.6	77.1	80.6	84.3	85.3	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
50' 500'	9.7	72.2	78.2	81.8	85.9	87.1	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
50' 600'	9.7	72.5	78.5	82.2	86.9	88.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
50' 700'	9.7	72.6	78.6	82.3	87.6	89.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
50' 800'	9.7	72.7	78.9	82.4	88.2	89.8	92.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
50' 900'	9.7	72.7	78.9	82.4	88.2	89.8	92.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
50' 000'	9.7	72.7	78.9	82.4	88.2	89.8	92.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
50' 100'	9.7	72.7	78.9	82.4	88.2	89.8	92.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
50' 200'	9.7	72.7	78.9	82.4	88.2	89.8	92.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
50' 300'	9.7	72.7	78.9	82.4	88.2	89.8	92.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
50' 400'	9.7	72.7	78.9	82.4	88.2	89.8	92.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
50' 500'	9.7	72.7	78.9	82.4	88.2	89.8	92.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
50' 600'	9.7	72.7	78.9	82.4	88.2	89.8	92.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
50' 700'	9.7	72.7	78.9	82.4	88.2	89.8	92.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
50' 800'	9.7	72.7	78.9	82.4	88.2	89.8	92.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
50' 900'	9.7	72.7	78.9	82.4	88.2	89.8	92.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
50' 000'	9.7	72.7	78.9	82.4	88.2	89.8	92.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
50' 100'	9.7	72.7	78.9	82.4	88.2	89.8	92.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
50' 200'	9.7	72.7	78.9	82.4	88.2	89.8	92.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
50' 300'	9.7	72.7	78.9	82.4	88.2	89.8	92.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
50' 400'	9.7	72.7	78.9	82.4	88.2	89.8	92.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
50' 500'	9.7	72.7	78.9	82.4	88.2	89.8	92.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
50' 600'	9.7	72.7	78.9	82.4	88.2	89.8	92.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
50' 700'	9.7	72.7	78.9	82.4	88.2	89.8	92.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
50' 800'	9.7	72.7	78.9	82.4	88.2	89.8	92.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
50' 900'	9.7	72.7	78.9	82.4	88.2	89.8	92.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
50' 000'	9.7	72.7	78.9	82.4	88.2	89.8	92.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
50' 100'	9.7	72.7	78.9	82.4	88.2	89.8	92.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
50' 200'	9.7	72.7	78.9	82.4	88.2	89.8	92.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
50' 300'	9.7	72.7	78.9	82.4	88.2	89.8	92.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
50' 400'	9.7	72.7	78.9	82.4	88.2	89.8	92.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
50' 500'	9.7	72.7	78.9	82.4	88.2	89.8	92.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
50' 600'	9.7	72.7	78.9	82.4	88.2	89.8	92.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
50' 700'	9.7	72.7	78.9	82.4	88.2	89.8	92.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
50' 800'	9.7	72.7	78.9	82.4	88.2	89.8	92.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
50' 900'	9.7	72.7	78.9	82.4	88.2	89.8	92.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
50' 000'	9.7	72.7	78.9	82.4	88.2	89.8	92.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
50' 100'	9.7	72.7	78.9	82.4	88.2	89.8	92.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
50' 200'	9.7	72.7	78.9	82.4	88.2	89.8	92.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
50' 300'	9.7	72.7	78.9	82.4	88.2	89.8	92.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
50' 400'	9.7	72.7	78.9	82.4	88.2	89.8	92.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
50' 500'	9.7	72.7	78.9	82.4	88.2	89.8	92.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
50' 600'	9.7	72.7	78.9	82.4	88.2	89.8	92.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
50' 700'	9.7	72.7	78.9	82.4	88.2	89.8	92.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5

TOTAL NUMBER OF OBSERVATIONS: 237

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS/DST: 0300-0500

TOTAL NUMBER OF OBSERVATIONS: 939

TOTAL NUMBER OF OBSERVATIONS: 539

CLIMATE BRANCH  
 WAFB  
 AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 77496 STATION NAME: MCQUEEN AFB TX

PERIOD OF RECORD: 76-87  
 MONTH: MAY HOURS(UT): 0600-0600

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 1/2	GE 1/4	GE 1	GE 1/2	GE 1/4	GE 1/2	GE 1/4	GE 1/2
5000	6.6	7.4	59.6	40.4	41.7	42.6	47.1	43.2	43.2	43.2	47.4	43.4	43.4	43.4	47.4	43.4
4000	7.4	42.7	44.6	46.1	47.5	45.0	49.6	49.4	49.9	49.4	50.2	50.2	50.2	50.2	50.2	50.2
3000	7.4	42.9	45.1	46.3	48.1	45.2	49.4	50.2	50.2	50.2	50.4	50.4	50.4	50.4	50.4	50.4
2000	7.4	42.5	45.1	46.3	48.1	45.2	49.4	50.2	50.2	50.2	50.4	50.4	50.4	50.4	50.4	50.4
1000	7.4	42.3	45.4	46.6	48.4	45.5	49.2	50.5	50.5	50.5	50.7	50.7	50.7	50.7	50.7	50.7
500	6.6	44.5	47.7	46.2	50.1	51.1	51.5	57.1	52.1	52.1	57.3	52.3	52.3	52.3	52.3	52.3
400	6.6	48.1	51.1	51.5	54.4	55.9	56.5	56.6	56.8	56.4	57.2	57.2	57.2	57.2	57.2	57.2
300	6.6	46.4	51.5	53.2	55.4	56.7	57.4	57.7	57.7	57.8	58.7	58.5	58.7	58.0	58.0	58.0
200	6.6	51.5	56.5	57.5	61.5	62.6	63.5	63.9	64.3	64.2	64.4	64.4	64.4	64.4	64.4	64.4
100	6.6	54.4	57.4	60.2	62.5	63.7	64.7	65.1	65.2	65.3	65.4	65.6	65.6	65.6	65.6	65.6
50	6.6	54.7	59.1	60.5	63.1	64.5	65.2	65.7	65.6	65.4	66.1	66.1	66.1	66.1	66.1	66.1
40	6.6	56.5	60.1	62.5	65.4	67.2	67.5	68.4	68.5	68.7	68.7	68.9	68.9	68.9	68.9	68.9
30	6.6	57.7	61.4	64.2	67.5	68.9	69.6	70.1	70.2	70.5	70.7	70.7	70.7	70.7	70.7	70.7
20	6.6	58.6	62.4	65.2	68.8	70.3	71.5	71.7	71.8	72.1	72.4	72.4	72.6	72.6	72.6	72.7
10	6.6	59.3	63.5	66.4	70.2	71.7	72.7	73.1	73.2	73.5	73.8	73.8	74.0	74.0	74.0	74.1
5	6.6	60.3	64.4	67.4	71.7	73.2	74.2	74.6	74.7	75.0	75.3	75.3	75.5	75.5	75.5	75.6
4	6.6	61.5	65.4	68.7	72.4	74.0	74.5	74.5	74.5	75.1	75.1	75.1	75.1	75.1	75.1	75.3
3	6.6	61.7	66.1	69.4	73.2	74.7	75.7	76.1	76.2	76.5	76.5	76.5	76.5	76.5	76.5	76.5
2	6.6	61.8	66.3	69.5	73.3	74.8	75.8	76.2	76.3	76.6	76.6	76.7	76.7	76.7	76.7	76.7
1	6.6	62.5	67.1	70.6	74.4	75.9	76.5	77.3	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7
0	6.6	63.1	67.6	71.4	75.2	76.7	77.7	78.1	78.3	78.6	78.9	78.9	79.0	79.0	79.0	79.1
500	6.6	63.6	68.2	71.1	75.6	77.1	78.4	79.1	79.2	79.5	79.5	79.5	79.5	79.5	79.5	79.5
400	6.6	64.5	69.2	72.2	76.7	78.2	79.2	80.7	81.5	81.6	81.9	82.2	82.2	82.3	82.3	82.5
300	6.6	64.6	69.4	73.7	78.5	79.2	81.5	82.5	82.7	83.2	83.5	83.5	83.6	83.6	83.6	83.7
200	6.6	64.7	69.6	74.3	79.2	81.3	83.1	84.1	84.2	84.5	84.5	84.6	84.9	84.9	84.9	85.0
100	6.6	64.6	70.5	74.7	80.1	82.3	84.3	85.3	85.4	85.6	86.1	86.1	86.2	86.2	86.2	86.3
50	6.6	64.9	70.5	75.3	81.2	83.6	85.7	86.4	87.5	88.1	88.5	88.5	88.9	88.7	88.8	88.9
40	6.6	65.3	70.7	75.5	81.4	83.8	85.7	86.4	87.7	88.4	88.4	88.5	88.7	88.7	88.8	88.9
30	6.6	65.1	70.8	76.2	82.2	84.9	86.5	87.4	88.5	89.1	89.2	89.2	89.2	89.2	89.2	89.2
20	6.6	65.1	70.8	76.2	82.2	84.9	86.5	87.4	88.5	89.1	89.2	89.2	89.2	89.2	89.2	89.2
10	6.6	65.1	70.8	76.2	82.2	84.9	86.5	87.4	88.5	89.1	89.2	89.2	89.2	89.2	89.2	89.2
5	6.6	65.1	70.8	76.2	82.2	84.9	86.5	87.4	88.5	89.1	89.2	89.2	89.2	89.2	89.2	89.2
0	6.6	65.1	70.8	76.2	82.2	84.9	86.5	87.4	88.5	89.1	89.2	89.2	89.2	89.2	89.2	89.2

TOTAL NUMBER OF OBSERVATIONS: 92

CLIMATE CLIMATOLOGY BRANCH  
 LAFAYETTE  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM FOURTY OBSERVATIONS

STATION NUMBER: 774056 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 75-87  
 MONTH: MAY HOURS(IST): 0900-1100

CEILING		VISIBILITY IN STATUTE MILES															
FEET	1	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
10	1	1/2	3/4	1	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7	8
NO CEIL	1	4.1	51.2	42.5	44.1	44.3	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
GE 2000	1	9.1	44.1	50.1	51.7	52.2	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 2400	1	9.1	44.2	50.1	51.8	52.3	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 2800	1	9.1	44.2	50.1	51.8	52.3	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 3200	1	9.1	44.4	50.2	51.9	52.5	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 3600	1	9.5	49.2	51.2	52.9	53.3	53.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 4000	1	10.6	52.7	51.1	58.1	59.7	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 4400	1	10.9	54.2	56.5	58.5	59.2	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 4800	1	11.2	55.2	60.5	62.7	63.7	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 5200	1	11.4	59.5	61.7	64.3	65.2	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 5600	1	11.4	59.1	61.5	64.4	65.4	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 6000	1	11.4	61.4	63.2	66.0	67.1	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 6400	1	11.4	61.2	64.1	66.9	68.0	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 6800	1	11.6	62.0	65.3	68.2	69.4	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 7200	1	12.7	64.8	68.2	71.3	72.5	73.1	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 7600	1	12.7	67.6	71.5	74.9	75.6	77.0	77.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 8000	1	12.7	69.2	73.7	76.6	77.2	78.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 8400	1	12.7	71.5	74.4	76.2	77.3	78.6	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 8800	1	12.7	73.9	74.8	76.7	77.5	78.6	81.2	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 9200	1	12.8	72.4	76.7	80.5	82.6	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 9600	1	12.8	73.4	78.0	82.2	84.7	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 10000	1	12.8	74.1	78.9	83.3	87.1	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 10400	1	12.8	74.4	79.2	84.4	88.2	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 10800	1	12.8	74.7	79.8	85.5	89.5	90.4	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 11200	1	12.8	74.6	79.9	86.0	90.4	91.4	92.3	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 11600	1	12.8	74.9	80.1	86.2	91.1	92.0	92.5	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 12000	1	12.8	75.1	80.4	86.9	92.7	93.8	95.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 12400	1	12.8	75.1	80.6	87.1	92.8	94.3	96.5	97.3	97.4	98.0	98.4	98.4	98.4	98.4	98.4	98.4
GE 12800	1	12.8	75.2	80.9	87.5	93.3	94.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 13200	1	12.8	75.2	80.9	87.5	93.3	94.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 13600	1	12.8	75.2	80.9	87.5	93.3	94.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 14000	1	12.8	75.2	80.9	87.5	93.3	94.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1

TOTAL NUMBER OF OBSERVATIONS: 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(LST): 1200-1400

CEILING	VISIBILITY IN STATUTE MILES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	IN FEET		1/4	1/2	3/4	1	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2	8	8 1/2	9	9 1/2	10	10 1/2	11	11 1/2	12	12 1/2	13	13 1/2	14	14 1/2	15	15 1/2	16	16 1/2	17	17 1/2	18	18 1/2	19	19 1/2	20	20 1/2	21	21 1/2	22	22 1/2	23	23 1/2	24	24 1/2	25	25 1/2	26	26 1/2	27	27 1/2	28	28 1/2	29	29 1/2	30	30 1/2	31	31 1/2	32	32 1/2	33	33 1/2	34	34 1/2	35	35 1/2	36	36 1/2	37	37 1/2	38	38 1/2	39	39 1/2	40	40 1/2	41	41 1/2	42	42 1/2	43	43 1/2	44	44 1/2	45	45 1/2	46	46 1/2	47	47 1/2	48	48 1/2	49	49 1/2	50	50 1/2	51	51 1/2	52	52 1/2	53	53 1/2	54	54 1/2	55	55 1/2	56	56 1/2	57	57 1/2	58	58 1/2	59	59 1/2	60	60 1/2	61	61 1/2	62	62 1/2	63	63 1/2	64	64 1/2	65	65 1/2	66	66 1/2	67	67 1/2	68	68 1/2	69	69 1/2	70	70 1/2	71	71 1/2	72	72 1/2	73	73 1/2	74	74 1/2	75	75 1/2	76	76 1/2	77	77 1/2	78	78 1/2	79	79 1/2	80	80 1/2	81	81 1/2	82	82 1/2	83	83 1/2	84	84 1/2	85	85 1/2	86	86 1/2	87	87 1/2	88	88 1/2	89	89 1/2	90	90 1/2	91	91 1/2	92	92 1/2	93	93 1/2	94	94 1/2	95	95 1/2	96	96 1/2	97	97 1/2	98	98 1/2	99	99 1/2	100	100 1/2	101	101 1/2	102	102 1/2	103	103 1/2	104	104 1/2	105	105 1/2	106	106 1/2	107	107 1/2	108	108 1/2	109	109 1/2	110	110 1/2	111	111 1/2	112	112 1/2	113	113 1/2	114	114 1/2	115	115 1/2	116	116 1/2	117	117 1/2	118	118 1/2	119	119 1/2	120	120 1/2	121	121 1/2	122	122 1/2	123	123 1/2	124	124 1/2	125	125 1/2	126	126 1/2	127	127 1/2	128	128 1/2	129	129 1/2	130	130 1/2	131	131 1/2	132	132 1/2	133	133 1/2	134	134 1/2	135	135 1/2	136	136 1/2	137	137 1/2	138	138 1/2	139	139 1/2	140	140 1/2	141	141 1/2	142	142 1/2	143	143 1/2	144	144 1/2	145	145 1/2	146	146 1/2	147	147 1/2	148	148 1/2	149	149 1/2	150	150 1/2	151	151 1/2	152	152 1/2	153	153 1/2	154	154 1/2	155	155 1/2	156	156 1/2	157	157 1/2	158	158 1/2	159	159 1/2	160	160 1/2	161	161 1/2	162	162 1/2	163	163 1/2	164	164 1/2	165	165 1/2	166	166 1/2	167	167 1/2	168	168 1/2	169	169 1/2	170	170 1/2	171	171 1/2	172	172 1/2	173	173 1/2	174	174 1/2	175	175 1/2	176	176 1/2	177	177 1/2	178	178 1/2	179	179 1/2	180	180 1/2	181	181 1/2	182	182 1/2	183	183 1/2	184	184 1/2	185	185 1/2	186	186 1/2	187	187 1/2	188	188 1/2	189	189 1/2	190	190 1/2	191	191 1/2	192	192 1/2	193	193 1/2	194	194 1/2	195	195 1/2	196	196 1/2	197	197 1/2	198	198 1/2	199	199 1/2	200	200 1/2	201	201 1/2	202	202 1/2	203	203 1/2	204	204 1/2	205	205 1/2	206	206 1/2	207	207 1/2	208	208 1/2	209	209 1/2	210	210 1/2	211	211 1/2	212	212 1/2	213	213 1/2	214	214 1/2	215	215 1/2	216	216 1/2	217	217 1/2	218	218 1/2	219	219 1/2	220	220 1/2	221	221 1/2	222	222 1/2	223	223 1/2	224	224 1/2	225	225 1/2	226	226 1/2	227	227 1/2	228	228 1/2	229	229 1/2	230	230 1/2	231	231 1/2	232	232 1/2	233	233 1/2	234	234 1/2	235	235 1/2	236	236 1/2	237	237 1/2	238	238 1/2	239	239 1/2	240	240 1/2	241	241 1/2	242	242 1/2	243	243 1/2	244	244 1/2	245	245 1/2	246	246 1/2	247	247 1/2	248	248 1/2	249	249 1/2	250	250 1/2	251	251 1/2	252	252 1/2	253	253 1/2	254	254 1/2	255	255 1/2	256	256 1/2	257	257 1/2	258	258 1/2	259	259 1/2	260	260 1/2	261	261 1/2	262	262 1/2	263	263 1/2	264	264 1/2	265	265 1/2	266	266 1/2	267	267 1/2	268	268 1/2	269	269 1/2	270	270 1/2	271	271 1/2	272	272 1/2	273	273 1/2	274	274 1/2	275	275 1/2	276	276 1/2	277	277 1/2	278	278 1/2	279	279 1/2	280	280 1/2	281	281 1/2	282	282 1/2	283	283 1/2	284	284 1/2	285	285 1/2	286	286 1/2	287	287 1/2	288	288 1/2	289	289 1/2	290	290 1/2	291	291 1/2	292	292 1/2	293	293 1/2	294	294 1/2	295	295 1/2	296	296 1/2	297	297 1/2	298	298 1/2	299	299 1/2	300	300 1/2	301	301 1/2	302	302 1/2	303	303 1/2	304	304 1/2	305	305 1/2	306	306 1/2	307	307 1/2	308	308 1/2	309	309 1/2	310	310 1/2	311	311 1/2	312	312 1/2	313	313 1/2	314	314 1/2	315	315 1/2	316	316 1/2	317	317 1/2	318	318 1/2	319	319 1/2	320	320 1/2	321	321 1/2	322	322 1/2	323	323 1/2	324	324 1/2	325	325 1/2	326	326 1/2	327	327 1/2	328	328 1/2	329	329 1/2	330	330 1/2	331	331 1/2	332	332 1/2	333	333 1/2	334	334 1/2	335	335 1/2	336	336 1/2	337	337 1/2	338	338 1/2	339	339 1/2	340	340 1/2	341	341 1/2	342	342 1/2	343	343 1/2	344	344 1/2	345	345 1/2	346	346 1/2	347	347 1/2	348	348 1/2	349	349 1/2	350	350 1/2	351	351 1/2	352	352 1/2	353	353 1/2	354	354 1/2	355	355 1/2	356	356 1/2	357	357 1/2	358	358 1/2	359	359 1/2	360	360 1/2	361	361 1/2	362	362 1/2	363	363 1/2	364	364 1/2	365	365 1/2	366	366 1/2	367	367 1/2	368	368 1/2	369	369 1/2	370	370 1/2	371	371 1/2	372	372 1/2	373	373 1/2	374	374 1/2	375	375 1/2	376	376 1/2	377	377 1/2	378	378 1/2	379	379 1/2	380	380 1/2	381	381 1/2	382	382 1/2	383	383 1/2	384	384 1/2	385	385 1/2	386	386 1/2	387	387 1/2	388	388 1/2	389	389 1/2	390	390 1/2	391	391 1/2	392	392 1/2	393	393 1/2	394	394 1/2	395	395 1/2	396	396 1/2	397	397 1/2	398	398 1/2	399	399 1/2	400	400 1/2	401	401 1/2	402	402 1/2	403	403 1/2	404	404 1/2	405	405 1/2	406	406 1/2	407	407 1/2	408	408 1/2	409	409 1/2	410	410 1/2	411	411 1/2	412	412 1/2	413	413 1/2	414	414 1/2	415	415 1/2	416	416 1/2	417	417 1/2	418	418 1/2	419	419 1/2	420	420 1/2	421	421 1/2	422	422 1/2	423	423 1/2	424	424 1/2	425	425 1/2	426	426 1/2	427	427 1/2	428	428 1/2	429	429 1/2	430	430 1/2	431	431 1/2	432	432 1/2	433	433 1/2	434	434 1/2	435	435 1/2	436	436 1/2	437	437 1/2	438	438 1/2	439	439 1/2	440	440 1/2	441	441 1/2	442	442 1/2	443	443 1/2	444	444 1/2	445	445 1/2	446	446 1/2	447	447 1/2	448	448 1/2	449	449 1/2	450	450 1/2	451	451 1/2	452	452 1/2	453	453 1/2	454	454 1/2	455	455 1/2	456	456 1/2	457	457 1/2	458	458 1/2	459	459 1/2	460	460 1/2	461	461 1/2	462	462 1/2	463	463 1/2	464	464 1/2	465	465 1/2	466	466 1/2	467	467 1/2	468	468 1/2	469	469 1/2	470	470 1/2	471	471 1/2	472	472 1/2	473	473 1/2	474	474 1/2	475	475 1/2	476	476 1/2	477	477 1/2	478	478 1/2	479	479 1/2	480	480 1/2	481	481 1/2	482	482 1/2	483	483 1/2	484	484 1/2	485	485 1/2	486	486 1/2	487	487 1/2	488	488 1/2	489	489 1/2	490	490 1/2	491	491 1/2	492	492 1/2	493	493 1/2	494	494 1/2	495	495 1/2	496	496 1/2	497	497 1/2	498	498 1/2	499	499 1/2	500	500 1/2	501	501 1/2	502	502 1/2	503	503 1/2	504	504 1/2	505	505 1/2	506	506 1/2	507	507 1/2	508	508 1/2	509	509 1/2	510	510 1/2	511	511 1/2	512	512 1/2	513	513 1/2	514	514 1/2	515	515 1/2	516	516 1/2	517	517 1/2	518	518 1/2	519	519 1/2	520	520 1/2	521	521 1/2	522	522 1/2	523	523 1/2	524	524 1/2	525	525 1/2	526	526 1/2	527	527 1/2	528	528 1/2	529	529 1/2	530	530 1/2	531	531 1/2	532	532 1/2	533	533 1/2	534	534 1/2	535	535 1/2	536	536 1/2	537	537 1/2	538	538 1/2	539	539 1/2	540	540 1/2	541	541 1/2	542	542 1/2	543	543 1/2	544	544 1/2	545	545 1/2	546	546 1/2	547	547 1/2	548	548 1/2	549	549 1/2	550	550 1/2	551	551 1/2	552	552 1/2	553	553 1/2	554	554 1/2	555	555 1/2	556	556 1/2	557	557 1/2	558	558 1/2	559	559 1/2	560	560 1/2	561	561 1/2	562	562 1/2	563	563 1/2	564	564 1/2	565	565 1/2	566	566 1/2	567	567 1/2	568	568 1/2	569	569 1/2	570	570 1/2	571	571 1/2	572	572 1/2	573	573 1/2	574	574 1/2	575	575 1/2	576	576 1/2	577	577 1/2	578	578 1/2	579	579 1/2	580	580 1/2	581	581 1/2	582	582 1/2	583	583 1/2	584	584 1/2	585	585 1/2	586	586 1/2	587	587 1/2	588	588 1/2	589	589 1/2	590	590 1/2	591	591 1/2	592	592 1/2	593	593 1/2	594	594 1/2	595	595 1/2	596	596 1/2	597	597 1/2	598	598 1/2	599	599 1/2	600	600 1/2	601	601 1/2	602	602 1/2	603	603 1/2	604	604 1/2	605	605 1/2	606	606 1/2	607	607 1/2	608	608 1/2	609	609 1/2	610	610 1/2	611	611 1/2	612	612 1/2	613	613 1/2	614	614 1/2	615	615 1/2	616	616 1/2	617	617 1/2	618	618 1/2	619	619 1/2	620	620 1/2	621	621 1/2	622	622 1/2	623	623 1/2	624	624 1/2	625	625 1/2	626	626 1/2	627	6

TOTAL NUMBER OF OBSERVATIONS: 93

AD-A188 317

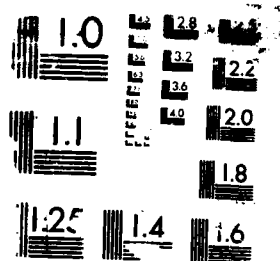
MCGUIRE AFB NEW JERSEY REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS (U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A. DEC 87  
USAFETAC/DS-87/882

3/4

UNCLASSIFIED

F/G 4/2

NL



U.S. GOVERNMENT PRINTING OFFICE: 1963 O - 348-100  
 A COPY RESOLUTION TEST CHART

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724796 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87

MONTH: MAY

HOURS(IST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 1 1/2	GE 2	GE 2 1/2	GE 3	GE 3 1/2	GE 4	GE 5	GE 5 1/2	GE 6	GE 6 1/2	GE 7	GE 7 1/2	GE 8	GE 8 1/2	GE 9
NO CEIL	7.0	39.2	41.0	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
GE 2000	9.7	48.7	57.9	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
GE 1800	9.7	49.0	51.2	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
GE 1600	8.7	49.0	51.2	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
GE 1400	8.7	49.4	51.5	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 1200	8.9	49.8	51.9	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 1000	9.6	53.5	55.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 900	9.7	54.5	56.3	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 800	10.4	58.7	61.3	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 700	10.8	60.8	63.4	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 600	10.8	61.2	64.1	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 500	11.0	64.2	67.1	68.5	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 450	11.2	66.6	69.6	71.2	71.4	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 400	11.6	69.8	72.8	74.4	74.6	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 350	12.9	74.4	77.5	79.1	79.6	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 300	13.3	78.8	82.3	84.4	84.8	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 250	13.3	80.9	84.4	86.6	87.2	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 200	13.4	82.4	86.0	88.4	89.0	89.1	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 180	13.4	82.6	86.2	88.7	89.4	89.5	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 160	13.4	83.1	86.8	89.4	90.4	90.8	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 140	13.4	83.4	87.1	90.1	91.5	91.8	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 120	13.4	83.5	87.3	90.5	92.3	92.8	93.4	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 100	13.4	83.7	87.6	91.1	92.6	93.3	94.0	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 90	13.4	84.1	88.7	91.7	93.4	94.0	94.7	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 80	13.4	84.4	89.7	92.5	94.2	94.7	95.6	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 70	13.4	84.4	89.7	92.5	94.3	94.8	95.9	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 60	13.4	84.4	89.8	92.7	94.4	95.6	96.9	97.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 50	13.4	84.4	89.8	92.8	95.3	95.9	97.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 40	13.4	84.4	89.8	92.8	95.3	95.9	97.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 30	13.4	84.4	89.8	92.8	95.4	96.0	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 20	13.4	84.4	89.8	92.8	95.4	96.0	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 10	13.4	84.4	89.8	92.8	95.4	96.0	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS: 230

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72409E STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(IST): 1800-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16
NO CEIL	9.1	44.0	45.8	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 20000	7.8	52.7	54.6	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 18000	9.8	52.9	54.3	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 16000	9.8	52.9	54.8	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 14000	9.9	53.0	55.1	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
GE 12000	10.1	54.4	56.5	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 10000	10.8	57.8	60.0	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 9000	10.8	55.7	61.1	61.8	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 8000	11.3	62.6	64.9	65.7	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 7000	11.9	64.8	67.6	68.4	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 6000	11.9	65.4	68.2	68.9	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 5000	12.2	69.3	71.1	71.9	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 4500	12.2	70.3	73.1	74.7	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 4000	12.5	73.1	76.5	78.3	79.5	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 3500	12.8	75.4	79.1	81.2	82.6	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 3000	12.9	77.4	81.2	83.5	85.2	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 2500	12.9	79.1	83.0	85.3	87.0	87.2	87.5	87.6	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 2000	12.9	79.6	83.5	85.9	87.8	88.2	88.5	88.7	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 1800	12.9	79.6	83.5	85.9	87.8	88.2	88.5	88.7	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 1600	12.9	80.0	84.1	86.6	88.6	89.0	89.5	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 1400	12.9	80.3	84.7	87.2	89.5	89.9	90.3	90.5	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 1200	12.9	80.5	85.2	87.6	90.2	90.6	91.1	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 1000	12.9	80.5	85.2	87.7	90.5	91.0	91.4	91.6	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 900	12.9	81.0	85.6	88.2	91.3	91.7	92.3	92.5	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 800	12.9	81.2	85.8	88.6	91.9	92.6	93.2	93.4	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 700	12.9	81.2	85.9	88.7	92.3	92.0	93.0	93.9	94.1	94.2	94.4	94.4	94.4	94.4	94.4	94.4
GE 600	12.9	81.5	86.3	89.1	93.1	94.3	95.6	96.1	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 500	12.9	81.5	86.3	89.1	93.1	94.3	95.7	96.2	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 400	12.9	81.5	86.3	89.2	93.3	94.8	96.6	97.2	97.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6
GE 300	12.9	81.5	86.3	89.4	93.5	95.1	96.8	97.4	98.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6
GE 200	12.9	81.5	86.3	89.4	93.5	95.1	96.8	97.4	98.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6
GE 100	12.9	81.5	86.3	89.4	93.5	95.1	96.8	97.4	98.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6
GE 0	12.9	81.5	86.3	89.4	93.5	95.1	96.8	97.4	98.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS: 937

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(IST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	7.3	46.5	47.7	46.6	46.9	48.9	49.0	49.0	49.7	49.0	49.7	49.0	49.0	49.3	49.0	49.0
GE 2000	7.8	51.1	52.7	54.2	55.1	55.1	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 1800	7.8	51.4	53.0	54.5	55.4	55.4	55.5	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 1600	7.8	51.4	53.3	54.5	55.4	55.4	55.5	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 1400	7.8	51.7	53.3	54.8	55.7	55.7	55.8	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 1200	8.1	52.3	53.9	55.4	56.7	56.7	56.9	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 1000	8.5	55.9	57.6	59.2	60.5	60.5	60.6	60.6	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 900	8.5	56.0	57.7	59.4	60.6	60.6	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 800	8.9	60.4	62.2	63.8	65.3	65.3	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 700	9.2	61.9	63.7	65.3	66.8	66.8	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 600	9.2	62.6	64.3	65.9	67.4	67.4	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 500	9.5	65.1	66.8	68.4	69.9	69.9	70.0	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 450	9.6	66.9	68.6	70.6	72.4	72.4	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 400	9.7	68.9	71.1	73.1	74.8	75.2	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 350	9.8	72.5	74.6	76.9	78.7	79.0	79.5	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 300	9.8	73.3	75.9	78.1	80.1	80.5	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 250	9.9	75.3	78.0	80.4	82.5	82.9	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 200	9.9	76.0	78.8	81.4	83.5	84.0	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 150	9.9	76.0	78.8	81.4	83.5	84.0	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 100	9.9	76.5	79.4	82.0	84.2	84.6	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 100	9.9	77.0	79.9	82.6	84.8	85.3	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 100	9.9	77.1	80.2	83.3	85.9	86.3	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 100	9.9	77.2	80.5	83.7	86.5	86.9	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 100	9.9	77.2	80.5	83.8	86.7	87.2	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 100	9.9	77.5	81.0	84.5	87.5	88.2	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 100	9.9	78.2	81.7	85.4	88.9	89.6	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 100	9.9	78.6	82.3	86.1	89.7	90.5	92.4	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 100	9.9	78.7	82.6	86.5	90.3	91.3	93.3	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 100	9.9	78.7	82.6	86.3	90.6	92.0	94.2	94.6	94.6	95.3	95.4	95.4	95.5	95.5	95.5	95.5
GE 100	9.9	78.7	82.6	86.3	90.9	92.4	95.2	96.3	96.3	96.9	97.2	97.5	97.4	98.0	98.1	98.2
GE 100	9.9	78.7	82.6	86.5	90.9	92.4	95.2	96.3	96.3	96.9	97.4	97.8	98.5	98.9	99.4	99.6
GE 100	9.9	78.7	82.6	86.3	90.9	92.4	95.2	96.3	96.3	97.1	97.5	98.0	98.6	99.0	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 922

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFD WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87

MONTH: MAY

HOURS(IST):

ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0			
NO CEIL	7.0	41.0	42.6	43.4	44.0	44.2	44.5	44.5	44.5	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7
GE 20000	8.1	47.3	49.4	50.5	51.4	51.7	52.0	52.1	52.1	52.2	52.2	52.2	52.3	52.3	52.3	52.3	52.3
GE 18000	8.1	47.5	49.6	50.7	51.6	51.9	52.2	52.3	52.3	52.4	52.4	52.4	52.5	52.5	52.5	52.5	52.5
GE 16000	8.1	47.5	49.6	50.7	51.6	51.9	52.2	52.3	52.3	52.4	52.4	52.4	52.5	52.5	52.5	52.5	52.5
GE 14000	8.1	47.7	49.9	51.0	51.9	52.1	52.4	52.6	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.8
GE 12000	8.3	48.5	50.7	51.8	52.8	53.1	53.4	53.5	53.5	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 10000	9.0	52.2	54.6	56.2	57.1	57.4	57.7	57.9	57.9	57.9	58.0	58.0	58.0	58.1	58.1	58.1	58.1
GE 9000	9.1	52.7	55.2	56.7	57.9	58.2	58.5	58.6	58.6	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.9
GE 8000	9.4	56.7	59.5	61.1	62.4	62.8	63.1	63.2	63.2	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.5
GE 7000	9.7	59.3	61.2	62.8	64.2	64.5	64.8	65.0	65.2	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.3
GE 6000	9.7	58.9	61.8	63.5	64.9	65.2	65.5	65.7	65.7	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 5000	9.9	61.2	64.2	66.1	67.6	68.0	68.3	68.5	68.5	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.8
GE 4500	10.0	63.0	66.2	68.3	69.9	70.3	70.7	70.8	70.9	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1
GE 4000	10.2	64.9	68.4	70.5	72.2	72.7	73.2	73.4	73.4	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.8
GE 3500	10.7	67.7	71.3	73.5	75.4	75.9	76.4	76.7	76.7	76.8	76.9	76.9	76.9	76.9	76.9	76.9	77.0
GE 3000	10.9	69.9	73.8	76.3	78.3	78.6	79.3	79.5	79.6	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.9
GE 2500	10.9	71.3	75.3	77.9	80.0	80.5	81.0	81.3	81.3	81.4	81.5	81.5	81.6	81.6	81.6	81.6	81.6
GE 2000	10.9	72.3	76.4	79.3	81.4	82.0	82.6	82.8	82.9	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.2
GE 1800	10.9	72.5	76.7	79.6	81.8	82.3	82.9	83.2	83.2	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.6
GE 1600	11.0	73.3	77.7	80.8	83.3	83.8	84.5	84.7	84.8	84.9	85.0	85.0	85.0	85.0	85.0	85.1	85.1
GE 1400	11.0	73.9	78.4	81.7	84.3	85.0	85.7	86.0	86.0	86.1	86.2	86.2	86.3	86.3	86.3	86.3	86.3
GE 1200	11.0	74.3	79.0	82.5	85.5	86.2	87.1	87.4	87.4	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.8
GE 1000	11.0	74.5	79.3	82.9	86.1	86.8	87.8	88.1	88.2	88.3	88.4	88.4	88.5	88.5	88.5	88.5	88.5
GE 900	11.0	74.7	79.7	83.5	86.8	87.7	88.9	89.1	89.2	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.6
GE 800	11.0	74.9	80.0	84.1	87.6	88.5	89.8	90.2	90.3	90.4	90.5	90.5	90.6	90.6	90.6	90.6	90.7
GE 700	11.0	75.2	80.4	84.6	88.5	89.5	90.9	91.4	91.5	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.9
GE 600	11.0	75.4	80.9	85.1	89.3	90.6	92.3	93.1	93.1	93.3	93.5	93.5	93.6	93.6	93.6	93.6	93.7
GE 500	11.0	75.4	80.9	85.1	89.3	90.6	92.3	93.1	93.1	93.3	93.5	93.5	93.6	93.6	93.6	93.6	93.7
GE 400	11.0	75.5	81.0	85.5	89.5	91.2	91.8	94.0	94.2	94.5	94.9	94.9	94.9	94.9	94.9	94.9	95.1
GE 300	11.0	75.5	81.0	85.5	89.5	91.2	91.8	94.0	94.2	94.5	94.9	94.9	94.9	94.9	94.9	94.9	95.1
GE 200	11.0	75.5	81.0	85.5	89.5	91.2	91.8	94.0	94.2	94.5	94.9	94.9	94.9	94.9	94.9	94.9	95.1
GE 100	11.0	75.5	81.0	85.5	89.5	91.2	91.8	94.0	94.2	94.5	94.9	94.9	94.9	94.9	94.9	94.9	95.1
GE 0	11.0	75.5	81.0	85.5	89.5	91.2	91.8	94.0	94.2	94.5	94.9	94.9	94.9	94.9	94.9	94.9	95.1

TOTAL NUMBER OF OBSERVATIONS: 7459

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 78-87

MONTH: JUN

HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 2	GE 1	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	6.9	47.9	51.7	53.7	55.3	55.8	56.2	56.2	56.2	56.3	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.9
GE 20000	6.9	52.2	57.2	59.8	61.7	62.1	63.7	62.7	62.7	62.8	67.0	63.1	63.1	63.1	63.1	63.1	63.1	63.3
GE 18000	6.9	52.3	57.3	59.9	61.8	62.3	62.9	62.9	62.9	63.0	67.2	63.3	63.3	63.3	63.3	63.3	63.3	63.6
GE 16000	6.9	52.3	57.3	59.9	61.8	62.3	62.9	62.9	62.9	63.0	67.2	63.3	63.3	63.3	63.3	63.3	63.3	63.6
GE 14000	6.9	52.7	57.7	60.2	62.1	62.7	63.2	63.2	63.2	63.3	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.9
GE 12000	6.9	53.0	58.1	61.2	63.2	63.8	64.3	64.3	64.3	64.4	64.7	64.8	64.8	64.8	64.8	64.8	64.8	65.0
GE 10000	7.0	56.0	61.8	64.9	67.3	67.6	68.1	68.1	68.1	68.3	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.9
GE 9000	7.0	56.4	62.2	65.3	67.4	68.0	68.7	68.7	68.7	68.9	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.4
GE 8000	7.0	58.2	64.4	67.9	70.1	70.6	71.4	71.4	71.4	71.7	71.9	72.1	72.3	72.3	72.3	72.3	72.3	72.6
GE 7000	7.0	58.7	64.9	68.3	70.6	71.3	72.0	72.0	72.0	72.3	72.4	72.7	72.9	72.9	72.9	72.9	72.9	73.1
GE 6000	7.0	59.1	65.4	68.9	71.1	72.1	72.8	72.8	72.8	73.0	73.2	73.4	73.7	73.7	73.7	73.7	73.7	73.9
GE 5000	7.1	61.3	67.8	71.6	73.9	74.9	75.6	75.6	75.6	75.8	76.7	76.2	76.4	76.4	76.4	76.4	76.4	76.7
GE 4500	7.4	63.6	70.3	74.1	76.6	77.6	78.2	78.2	78.2	78.4	78.7	78.9	79.1	79.1	79.1	79.1	79.1	79.3
GE 4000	7.9	65.3	72.8	76.7	79.1	80.1	80.8	80.8	80.8	81.0	81.2	81.4	81.7	81.7	81.7	81.7	81.7	81.9
GE 3500	7.9	66.2	74.0	77.9	80.6	81.6	82.4	82.4	82.4	82.7	82.9	83.1	83.3	83.3	83.3	83.3	83.3	83.6
GE 3000	7.9	66.9	75.2	79.4	82.9	83.9	84.6	84.6	84.6	84.8	85.0	85.2	85.4	85.4	85.4	85.4	85.4	85.9
GE 2500	7.9	67.2	75.7	79.9	83.3	84.3	85.2	85.2	85.2	85.4	85.7	85.9	86.1	86.1	86.1	86.1	86.1	86.3
GE 2000	7.9	67.6	76.1	80.3	83.8	84.8	85.7	85.7	85.8	86.0	86.2	86.4	86.7	86.7	86.7	86.7	86.7	86.9
GE 1800	7.9	67.7	76.2	80.4	83.9	84.9	85.8	85.8	85.9	86.1	86.3	86.6	86.8	86.8	86.8	86.8	86.8	87.0
GE 1500	7.9	67.9	76.6	81.0	84.4	85.4	86.3	86.4	86.4	86.7	86.9	87.1	87.3	87.3	87.3	87.3	87.3	87.6
GE 1200	7.9	68.1	76.8	81.3	84.8	85.8	86.8	86.9	86.9	87.1	87.3	87.6	87.8	87.8	87.8	87.8	87.8	88.0
GE 1000	7.9	68.3	77.0	81.6	85.6	86.6	87.6	87.7	87.7	87.9	88.1	88.3	88.6	88.6	88.6	88.6	88.6	88.8
GE 900	7.9	68.3	77.0	81.6	85.7	86.7	87.7	87.7	87.7	87.9	88.1	88.3	88.6	88.6	88.6	88.6	88.6	88.9
GE 800	7.9	68.4	77.1	81.9	85.6	86.9	87.9	88.0	88.0	88.2	88.4	88.7	88.9	88.9	88.9	88.9	88.9	89.1
GE 700	7.9	68.9	77.8	82.6	86.4	87.6	88.6	88.7	88.7	88.9	89.1	89.3	89.6	89.6	89.6	89.6	89.6	89.8
GE 600	7.9	69.1	78.0	82.8	86.7	87.8	88.8	89.1	89.1	89.3	89.6	89.8	90.0	90.0	90.0	90.0	90.0	90.2
GE 500	7.9	69.1	78.1	83.1	87.1	88.2	89.4	89.8	89.8	90.0	90.2	90.4	90.7	90.8	90.8	90.8	90.8	91.0
GE 400	7.9	69.1	78.1	83.4	87.4	88.6	89.8	90.4	90.4	90.7	91.0	91.2	91.4	91.7	91.7	91.7	91.7	91.9
GE 300	7.9	69.1	78.1	83.6	87.7	88.8	90.7	91.7	91.7	92.0	92.3	92.6	92.9	93.2	93.2	93.2	93.2	93.6
GE 200	7.9	69.1	78.1	83.8	88.4	89.9	92.7	94.0	94.0	94.6	95.4	95.7	96.3	96.7	96.7	96.7	96.7	97.3
GE 100	7.9	69.1	78.1	83.8	88.4	89.9	92.8	94.2	94.2	94.9	96.0	96.4	97.1	97.9	98.2	98.2	98.2	99.3

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS(IST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15	GE 16
NO CEIL	5.2	38.1	41.8	45.9	48.8	50.1	51.1	51.4	51.7	51.7	51.7	51.7	52.0	52.4	52.4	52.6
GE 20000	5.3	41.7	46.4	51.4	54.6	56.1	57.4	58.2	58.4	58.6	58.6	58.6	58.9	59.3	59.3	59.4
GE 18000	5.3	41.7	46.4	51.4	54.6	56.1	57.4	58.2	58.4	58.6	58.6	58.6	58.9	59.3	59.3	59.4
GE 16000	5.3	41.7	46.4	51.4	54.6	56.1	57.4	58.2	58.4	58.6	58.6	58.6	58.9	59.3	59.3	59.4
GE 14000	5.3	42.0	46.8	51.8	54.9	56.4	57.8	58.6	58.8	58.9	58.9	58.9	59.2	59.7	59.7	59.8
GE 12000	5.3	43.0	48.1	53.4	56.7	58.2	59.6	60.3	60.6	60.7	60.7	60.7	61.0	61.4	61.4	61.6
GE 10000	5.4	45.3	51.8	56.4	59.9	61.6	63.0	63.8	64.7	64.1	64.1	64.4	64.9	64.9	64.9	65.0
GE 9000	5.4	45.6	51.1	56.8	60.2	61.9	63.3	64.1	64.3	64.4	64.4	64.4	64.8	65.2	65.2	65.3
GE 8000	5.6	48.2	54.3	60.2	64.0	65.9	67.3	68.1	68.3	68.7	68.7	68.9	69.3	69.8	69.8	69.9
GE 7000	5.8	48.8	54.9	60.8	64.6	66.6	68.1	68.9	69.1	69.4	69.4	69.7	70.1	70.6	70.6	70.7
GE 6000	5.8	49.2	55.3	61.3	65.1	67.1	68.7	69.4	69.7	70.0	70.0	70.2	70.7	71.1	71.1	71.2
GE 5000	6.1	52.2	58.4	64.4	68.4	70.4	72.1	72.9	73.1	73.4	73.7	74.1	74.6	74.6	74.6	74.7
GE 4500	6.3	54.0	60.9	66.9	70.9	72.9	74.6	75.6	75.8	76.1	76.3	76.8	77.2	77.2	77.2	77.3
GE 4000	6.4	55.0	62.7	69.0	73.0	75.1	76.6	77.6	78.0	78.3	78.6	79.0	79.4	79.4	79.4	79.6
GE 3500	6.4	55.9	63.6	69.9	74.2	76.3	78.1	79.1	79.4	79.8	80.0	80.4	80.9	80.9	80.9	81.0
GE 3000	6.6	56.7	64.6	71.1	75.7	77.9	79.7	80.7	81.1	81.4	81.7	82.1	82.6	82.6	82.6	82.7
GE 2500	6.6	56.9	64.8	71.4	76.1	78.4	80.3	81.3	81.8	82.1	82.3	82.8	83.2	83.2	83.2	83.3
GE 2000	6.6	57.0	65.0	71.7	76.4	78.8	80.7	81.7	82.1	82.4	82.7	83.1	83.6	83.6	83.6	83.7
GE 1800	6.6	57.0	65.0	71.7	76.6	78.9	80.8	81.8	82.2	82.6	82.8	83.2	83.7	83.7	83.7	83.8
GE 1600	6.6	57.1	65.1	71.9	77.1	79.4	81.3	82.3	82.8	83.1	83.3	83.8	84.2	84.2	84.2	84.3
GE 1400	6.6	57.3	65.3	72.2	77.4	79.8	81.8	82.8	83.2	83.6	83.9	84.2	84.7	84.7	84.7	84.8
GE 1200	6.6	57.7	65.9	72.8	78.1	80.4	82.6	83.7	84.1	84.4	84.7	85.1	85.6	85.6	85.6	85.7
GE 1000	6.6	57.7	65.9	72.8	78.2	80.6	82.7	83.8	84.2	84.6	84.9	85.2	85.7	85.7	85.7	85.8
GE 900	6.6	57.9	66.0	73.3	79.0	81.3	83.4	84.6	85.0	85.3	85.6	86.0	86.4	86.4	86.4	86.6
GE 800	6.6	58.1	66.6	73.8	79.4	81.8	83.9	85.0	85.4	85.8	86.2	86.4	86.9	86.9	86.9	87.0
GE 700	6.6	58.8	67.2	74.7	80.3	82.7	84.8	85.9	86.3	86.8	87.0	87.4	87.9	87.9	87.9	88.0
GE 600	6.6	58.9	67.3	75.0	80.6	83.2	86.0	87.2	87.7	88.2	88.4	88.9	89.3	89.3	89.3	89.4
GE 500	6.6	59.0	67.6	75.6	81.6	84.1	87.2	88.6	89.0	89.6	89.9	90.3	90.8	90.8	90.8	90.9
GE 400	6.6	59.0	67.6	75.9	82.1	84.7	87.8	89.3	89.9	90.7	91.1	91.6	92.0	92.0	92.0	92.4
GE 300	6.6	59.0	67.7	76.0	82.2	84.9	88.8	90.3	90.9	91.7	92.3	92.8	93.9	94.0	94.3	94.7
GE 200	6.6	59.0	67.7	76.0	82.2	85.0	88.9	90.6	91.3	92.4	93.4	93.9	95.2	95.7	97.2	98.7
GE 100	6.6	59.0	67.7	76.0	82.3	85.0	88.9	90.6	91.3	92.4	93.4	93.9	95.2	95.7	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 230

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS(LST): 0600-0800

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
1	10	6	5	4	3	2	1 1/2	1	1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	3.3	40.6	44.1	46.6	49.6	51.0	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.1	52.1	52.2	52.2
GE 20000	9.3	46.1	50.2	53.7	57.2	59.0	59.6	60.0	60.0	60.0	60.0	60.1	60.1	60.3	60.4	60.6	60.6
GE 18000	9.3	46.2	50.3	53.8	57.3	59.1	59.8	60.2	60.2	60.2	60.2	60.3	60.3	60.6	60.7	60.8	60.8
GE 16000	9.3	46.2	50.3	53.8	57.3	59.1	59.8	60.2	60.2	60.2	60.2	60.3	60.3	60.6	60.7	60.8	60.8
GE 14000	9.4	46.6	50.7	54.1	57.7	59.4	60.1	60.6	60.6	60.6	60.6	60.7	60.7	60.9	61.0	61.1	61.1
GE 12000	9.7	47.0	51.4	54.9	58.4	60.3	61.0	61.4	61.4	61.4	61.4	61.6	61.6	61.8	61.9	62.0	62.0
GE 10000	10.3	50.3	55.3	58.9	62.9	64.9	65.6	66.0	66.0	66.0	66.0	66.1	66.1	66.3	66.4	66.6	66.6
GE 9000	10.3	50.6	56.0	59.6	63.6	65.6	66.2	66.7	66.7	66.7	66.7	66.8	66.8	67.0	67.1	67.2	67.2
GE 8000	10.9	53.6	58.9	63.0	67.1	69.2	69.9	70.4	70.4	70.4	70.4	70.6	70.8	71.0	71.2	71.3	71.4
GE 7000	10.9	54.6	59.9	64.1	68.2	70.3	71.0	71.6	71.7	71.7	71.9	72.1	72.1	72.3	72.4	72.6	72.6
GE 6000	11.0	55.8	61.2	65.4	69.6	71.7	72.3	72.9	73.0	73.2	73.2	73.4	73.4	73.7	73.8	73.9	73.9
GE 5000	11.0	57.6	63.1	67.4	71.9	74.1	74.8	75.3	75.4	75.7	75.9	75.9	75.9	76.1	76.2	76.3	76.3
GE 4500	11.0	58.3	64.1	69.0	73.4	75.7	76.4	77.0	77.1	77.3	77.6	77.6	77.6	77.9	77.9	78.0	78.0
GE 4000	11.1	58.6	64.7	69.6	74.2	76.4	77.3	77.9	78.0	78.2	78.4	78.4	78.4	78.7	78.8	78.9	78.9
GE 3500	11.2	59.6	65.6	70.8	75.2	77.6	78.4	79.1	79.2	79.4	79.7	79.7	79.7	79.9	80.0	80.1	80.1
GE 3000	11.2	60.2	66.2	72.0	76.4	78.8	79.7	80.4	80.8	81.0	81.2	81.2	81.2	81.4	81.6	81.7	81.7
GE 2500	11.2	60.2	66.2	72.2	76.9	79.3	80.3	81.1	81.4	81.7	81.9	81.9	81.9	82.1	82.2	82.3	82.3
GE 2000	11.2	60.7	66.8	73.3	78.2	80.7	81.7	82.6	82.9	83.1	83.4	83.4	83.4	83.7	83.8	83.9	83.9
GE 1800	11.2	60.7	66.8	73.3	78.2	80.7	81.7	82.6	82.9	83.1	83.4	83.4	83.4	83.7	83.8	83.9	83.9
GE 1600	11.2	60.9	67.0	73.7	78.6	81.0	82.4	83.3	83.7	83.9	84.2	84.2	84.2	84.4	84.6	84.7	84.7
GE 1400	11.2	61.1	67.2	73.9	78.8	81.3	82.8	83.7	84.0	84.2	84.6	84.6	84.6	84.8	84.9	85.0	85.0
GE 1200	11.2	61.4	67.6	74.6	79.7	82.2	84.0	84.9	85.2	85.4	85.8	85.8	85.8	86.0	86.1	86.2	86.2
GE 1000	11.2	61.6	67.7	74.7	79.9	82.4	84.7	85.8	86.1	86.3	86.7	86.7	86.7	86.9	87.0	87.1	87.1
GE 900	11.2	61.9	68.0	75.2	80.3	83.3	85.6	86.7	87.0	87.2	87.6	87.6	87.6	87.8	87.9	88.0	88.0
GE 800	11.2	62.0	68.2	75.7	81.2	83.9	86.2	87.4	87.8	88.2	88.6	88.6	88.6	88.8	88.9	89.0	89.0
GE 700	11.2	62.0	68.3	75.8	81.6	84.2	86.6	87.8	88.1	88.7	89.0	89.0	89.0	89.2	89.3	89.4	89.4
GE 600	11.2	62.0	68.4	76.1	82.2	85.3	88.0	89.2	89.6	90.1	90.6	90.6	90.6	90.8	90.9	91.0	91.0
GE 500	11.2	62.0	68.4	76.2	82.6	85.6	88.7	90.6	90.9	91.6	92.2	92.2	92.2	92.6	92.7	92.8	92.8
GE 400	11.2	62.0	68.4	76.2	82.8	86.2	89.3	92.0	92.6	93.2	94.4	94.4	94.4	95.0	95.1	95.2	95.3
GE 300	11.2	62.0	68.4	76.3	83.1	86.4	89.9	92.9	93.6	94.4	96.6	96.6	96.7	97.4	97.8	97.9	98.1
GE 200	11.2	62.0	68.4	76.3	83.0	86.4	89.9	92.9	93.6	94.4	96.7	96.7	96.8	97.7	98.3	98.8	99.7
GE 100	11.2	62.0	68.4	76.3	83.0	86.4	89.9	92.9	93.6	94.4	96.7	96.7	96.8	97.7	98.3	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87

MONTH: JUN

HOURS(LST): 0900-1100

CEILING		VISIBILITY IN STATUTE MILES															
IN	FEET	GE 1	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15	GE 16
NO CEIL	1	9.8	46.4	48.7	51.6	52.0	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 20000	11.2	53.1	56.2	59.1	59.7	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 18000	11.2	53.1	56.2	59.1	59.7	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 16000	11.2	53.1	56.2	59.1	59.7	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 14000	11.2	53.2	56.3	59.2	59.8	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 12000	11.2	54.0	57.4	62.3	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 10000	11.6	56.7	67.6	63.8	64.6	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 9000	11.6	57.0	61.0	64.2	65.0	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 8000	12.0	63.0	64.3	67.8	68.8	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 7000	12.3	61.0	65.4	68.9	69.9	70.1	70.2	70.2	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3
GE 6000	12.3	61.8	66.2	69.7	70.7	70.9	71.0	71.0	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1
GE 5000	12.3	63.3	69.3	72.0	73.0	73.2	73.3	73.3	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4
GE 4500	12.3	65.2	73.7	74.4	75.4	75.8	75.9	75.9	75.9	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0
GE 4000	12.6	66.9	72.4	76.3	77.9	78.3	78.4	78.4	78.4	78.4	78.4	78.6	78.6	78.6	78.6	78.6	78.6
GE 3500	13.0	68.4	74.0	78.2	80.1	80.6	80.7	80.7	80.7	80.7	80.7	80.9	80.9	80.9	80.9	80.9	80.9
GE 3000	13.3	70.0	76.0	80.8	82.9	83.3	83.7	83.7	83.7	83.7	83.7	83.9	83.9	83.9	83.9	83.9	83.9
GE 2500	13.3	70.4	76.7	81.3	84.1	84.6	85.0	85.0	85.0	85.0	85.0	85.1	85.2	85.2	85.2	85.2	85.2
GE 2000	13.2	72.1	78.8	84.2	86.8	87.3	88.0	88.0	88.0	88.0	88.0	88.1	88.2	88.2	88.2	88.2	88.2
GE 1500	13.3	72.3	79.0	84.4	87.0	87.6	88.2	88.2	88.2	88.2	88.2	88.3	88.4	88.4	88.4	88.4	88.4
GE 1000	13.3	72.7	79.3	84.6	87.3	87.9	88.6	88.6	88.6	88.6	88.6	88.7	88.8	88.8	88.8	88.8	88.8
GE 1200	13.3	72.9	80.0	85.8	88.6	89.1	89.6	89.6	89.6	89.6	89.6	89.9	90.0	90.0	90.0	90.0	90.0
GE 1000	13.3	73.3	80.6	86.3	89.3	90.1	91.3	91.4	91.4	91.4	91.4	91.6	91.7	91.7	91.7	91.7	91.7
GE 900	13.7	73.3	81.0	86.7	89.8	90.7	92.1	92.2	92.2	92.2	92.2	92.3	92.4	92.4	92.4	92.4	92.4
GE 800	13.3	73.4	81.1	86.8	90.0	90.9	92.4	92.7	92.7	92.7	92.7	92.8	92.9	92.9	92.9	92.9	92.9
GE 700	13.3	73.4	81.4	87.2	90.7	91.8	93.4	93.7	93.7	93.7	93.7	93.8	93.9	93.9	93.9	93.9	93.9
GE 600	13.3	73.6	81.7	87.6	91.1	92.4	94.3	94.9	94.9	94.9	94.9	95.0	95.1	95.1	95.1	95.1	95.1
GE 500	13.3	73.9	82.3	88.3	92.2	93.7	96.0	97.0	97.0	97.0	97.0	97.2	97.3	97.3	97.3	97.3	97.3
GE 400	13.3	73.9	82.3	88.4	92.4	94.2	96.3	98.1	98.2	98.2	98.2	98.6	98.7	98.7	98.7	98.7	98.7
GE 300	13.3	73.9	82.3	88.4	92.4	94.4	97.2	98.6	98.7	98.7	98.7	99.2	99.3	99.3	99.3	99.3	99.3
GE 200	13.3	73.9	82.3	88.4	92.4	94.6	97.3	98.7	98.9	98.9	98.9	99.7	100.0	100.0	100.0	100.0	100.0
GE 100	13.3	73.9	82.3	88.4	92.4	94.6	97.3	98.7	98.9	98.9	98.9	99.7	100.0	100.0	100.0	100.0	100.0
GE 0	13.3	73.9	82.3	88.4	92.4	94.6	97.3	98.7	98.9	98.9	98.9	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 910

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS(LST): 1200-1400

CEILING		VISIBILITY IN STATUTE MILES																	
IN FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
1	10	6	5	4	3	2	1 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0		
NO CEIL	8.4	42.9	44.8	46.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7		
GE 20000	11.1	52.2	55.0	57.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4		
GE 18000	11.1	52.4	55.2	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7		
GE 16000	11.1	52.4	55.2	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7		
GE 14000	11.1	52.9	55.7	58.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1		
GE 12000	11.7	54.0	57.1	59.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6		
GE 10000	11.8	56.2	59.6	62.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4		
GE 9000	11.8	56.6	59.9	62.8	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6		
GE 8000	12.2	59.6	63.3	66.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1		
GE 7000	12.8	60.7	64.4	67.8	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2		
GE 6000	12.8	61.3	65.1	68.6	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0		
GE 5000	12.9	63.9	68.0	71.4	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1		
GE 4500	13.0	66.0	70.3	74.0	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7		
GE 4000	13.1	68.8	74.0	78.1	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0		
GE 3500	13.4	72.3	77.9	82.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7		
GE 3000	13.4	75.4	81.4	86.4	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3		
GE 2500	13.6	76.0	82.0	87.1	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0		
GE 2000	13.6	77.2	83.2	88.3	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3		
GE 1800	13.6	77.3	83.3	88.4	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4		
GE 1600	13.6	77.9	84.1	89.0	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8		
GE 1400	13.6	78.3	84.6	89.3	93.3	93.9	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3		
GE 1200	13.6	78.8	85.1	90.0	94.4	95.0	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6		
GE 1000	13.6	79.2	85.9	91.9	95.3	96.0	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6		
GE 900	13.6	79.3	86.0	92.0	95.4	96.2	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0		
GE 800	13.6	79.4	86.6	92.7	96.2	97.0	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8		
GE 700	13.6	79.6	86.9	93.9	96.4	97.2	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2		
GE 600	13.6	79.7	87.1	95.2	96.7	97.6	98.7	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1		
GE 500	13.6	79.7	87.2	95.3	97.0	97.9	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2		
GE 400	13.6	79.7	87.2	95.4	97.2	98.3	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8		
GE 300	13.6	79.7	87.2	95.4	97.2	98.3	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8		
GE 200	13.6	79.7	87.2	95.4	97.2	98.3	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8		
GE 100	13.6	79.7	87.2	95.4	97.2	98.3	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8		

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724056 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS(IST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	9.1	41.4	43.4	45.1	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
GE 2000	10.6	50.0	53.7	55.7	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 1800	10.7	50.4	54.1	56.1	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
GE 1600	10.7	50.4	54.1	56.1	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
GE 1400	11.0	51.1	54.8	56.8	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 1200	11.1	52.2	55.9	58.1	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 1000	12.0	56.1	60.7	63.0	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 900	12.1	56.4	61.0	63.3	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
GE 800	12.7	59.1	64.1	66.7	68.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 700	13.1	61.6	65.7	68.2	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 600	13.1	61.2	66.7	69.2	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 500	13.2	62.2	67.7	70.4	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 400	13.4	64.4	70.0	72.8	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 300	13.6	68.2	74.6	77.9	80.2	80.4	80.6	80.6	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7
GE 200	13.9	70.8	77.6	81.2	83.9	84.1	84.1	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 100	13.9	73.8	81.9	86.3	89.2	89.6	89.8	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 0	13.9	74.2	82.3	87.1	90.0	90.3	90.6	90.8	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9
GE 2000	13.9	74.8	82.9	87.9	91.1	91.4	91.7	91.9	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 1800	13.9	74.9	83.0	88.0	91.2	91.6	91.8	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 1600	13.9	75.2	83.7	88.3	92.1	92.4	93.1	93.2	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 1400	13.9	75.2	84.0	89.1	92.4	92.8	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 1200	13.9	76.0	85.1	90.0	94.3	94.9	95.4	95.8	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1000	13.9	76.3	85.4	91.3	94.3	95.3	95.9	96.2	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 900	13.9	76.6	85.8	91.3	95.2	95.8	96.4	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 800	13.9	76.8	86.0	91.7	95.6	96.3	97.2	97.6	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 700	13.9	76.8	86.0	91.7	95.7	96.6	97.4	97.9	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 600	13.9	76.8	86.0	91.3	96.1	97.1	98.1	98.7	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 500	13.9	76.8	86.0	91.3	96.1	97.2	98.6	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	13.9	76.8	86.0	91.8	96.2	97.3	98.9	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	13.9	76.8	86.0	91.8	96.2	97.3	98.9	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	13.9	76.8	86.0	91.8	96.2	97.3	98.9	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	13.9	76.8	86.0	91.8	96.2	97.3	98.9	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	13.9	76.8	86.0	91.8	96.2	97.3	98.9	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIG WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 724796 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 78-87

MONTH: JUN HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	1	GE 1 1/2	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15	GE 16	GE 17
NO CLIC	10.6	47.8	57.8	54.5	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 2000	11.6	54.2	59.3	61.7	62.9	63.3	63.4	63.4	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 1800	11.6	54.7	59.3	61.1	63.3	63.8	63.9	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 1600	11.6	54.7	59.8	61.1	63.3	63.8	63.9	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 1400	11.7	55.6	60.7	62.0	64.4	64.9	65.0	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 1200	11.7	56.2	61.3	62.7	65.3	65.8	65.9	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 1000	12.2	59.4	65.2	66.6	69.2	69.7	69.9	69.9	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 900	12.2	60.0	65.8	67.1	69.9	70.3	70.6	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 800	12.6	62.4	69.3	69.7	73.1	73.7	73.9	73.9	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 700	12.9	63.9	70.0	71.3	74.6	75.3	75.6	75.6	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 600	12.9	64.8	71.0	72.6	75.0	76.6	76.8	76.8	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 500	13.0	66.7	73.0	74.0	78.0	78.6	78.8	78.8	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 400	13.4	68.3	74.7	76.3	79.3	80.3	80.6	80.6	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 300	13.7	70.8	78.1	80.0	84.3	85.0	85.3	85.3	85.3	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 200	13.7	72.6	80.3	83.3	87.1	87.8	88.2	88.2	88.2	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 100	13.7	72.9	81.1	84.1	88.0	89.2	89.7	89.7	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 2000	13.7	73.6	81.9	85.2	89.8	90.4	90.9	90.9	90.9	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 1800	13.7	73.6	82.3	85.3	89.9	90.6	91.0	91.0	91.0	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 1600	13.7	73.6	82.3	85.3	89.9	90.6	91.0	91.0	91.0	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 1400	13.7	73.9	82.4	86.3	90.2	91.4	91.9	92.0	92.0	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 1200	13.7	74.3	83.0	86.6	91.6	92.4	93.1	93.2	93.4	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 1000	13.7	74.7	83.6	87.2	92.2	93.1	94.0	94.1	94.3	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 900	13.7	74.7	83.6	87.2	92.3	93.2	94.1	94.2	94.4	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 800	13.7	74.7	83.6	87.4	92.6	93.4	94.3	94.4	94.7	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 700	13.8	75.1	84.3	88.1	93.6	94.6	95.4	95.6	95.8	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 600	13.8	75.1	84.4	88.3	93.9	95.0	95.2	95.3	95.6	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 500	13.9	75.2	84.9	88.5	94.8	96.1	97.4	98.0	98.2	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 400	13.8	75.2	84.9	88.8	94.9	96.2	97.7	98.6	98.9	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	13.8	75.2	84.9	88.8	94.9	96.2	97.8	98.7	99.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	13.8	75.2	84.9	88.8	94.9	96.2	97.8	98.7	99.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	13.9	75.2	84.9	88.8	94.9	96.2	97.8	98.7	99.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS: 720

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 1 1/2	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15
NO CEIL	9.7	91.8	55.7	57.4	59.8	59.1	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.4	59.4
GE 2000	9.7	55.7	60.4	63.0	64.7	65.0	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.4	65.4
GE 1800	9.7	56.1	61.2	63.4	65.2	65.6	65.8	65.8	65.8	65.9	65.9	65.9	65.9	65.9	66.0	66.0
GE 1600	9.7	56.1	61.2	63.4	65.2	65.6	65.8	65.8	65.8	65.9	65.9	65.9	65.9	65.9	66.0	66.0
GE 1400	9.7	56.7	61.8	64.0	65.8	66.1	66.3	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.6	66.6
GE 1200	9.7	57.1	62.4	64.6	66.6	66.9	67.1	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.3	67.3
GE 1000	9.7	59.9	66.0	68.4	70.3	70.7	70.9	71.9	70.9	71.0	71.0	71.0	71.0	71.0	71.1	71.1
GE 900	9.7	60.1	66.2	68.7	71.6	70.9	71.1	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.3	71.3
GE 800	9.8	61.7	68.2	71.2	73.7	74.1	74.6	74.6	74.6	74.7	74.8	74.8	74.8	74.9	74.9	74.9
GE 700	9.1	62.2	69.9	71.9	74.3	74.6	75.2	75.2	75.2	75.3	75.4	75.4	75.4	75.6	75.6	75.6
GE 600	9.1	62.3	69.0	72.0	74.6	75.0	75.4	75.4	75.4	75.6	75.7	75.7	75.7	75.8	75.8	75.8
GE 500	9.2	63.9	70.4	74.2	77.0	77.4	77.9	77.9	77.9	78.0	78.1	78.1	78.1	78.2	78.2	78.2
GE 400	9.6	65.9	73.1	76.6	79.3	79.8	80.2	80.2	80.2	80.3	80.4	80.4	80.4	80.6	80.6	80.6
GE 300	9.7	68.1	75.9	79.5	83.1	83.6	84.1	84.3	84.3	84.4	84.6	84.6	84.6	84.7	84.7	84.7
GE 200	9.7	68.9	76.9	81.2	84.3	84.9	85.4	85.7	85.7	85.8	85.9	85.9	85.9	86.0	86.0	86.0
GE 100	9.7	69.7	78.2	82.3	86.3	86.9	87.6	87.8	87.8	87.9	88.0	88.0	88.0	88.1	88.1	88.1
GE 2500	9.7	69.9	79.6	82.9	87.2	87.8	88.4	88.7	88.7	88.8	88.9	88.9	88.9	89.0	89.0	89.0
GE 2000	9.7	70.0	78.9	83.2	87.7	88.2	88.9	89.1	89.1	89.2	89.3	89.3	89.3	89.4	89.4	89.4
GE 1800	9.7	70.0	79.9	83.2	87.7	88.2	88.9	89.1	89.1	89.2	89.3	89.3	89.3	89.4	89.4	89.4
GE 1600	9.7	71.4	79.6	83.9	89.4	89.0	89.7	89.9	89.9	90.0	90.1	90.1	90.1	90.2	90.2	90.2
GE 1400	9.7	71.0	80.4	84.9	89.4	90.0	90.7	91.0	91.0	91.1	91.2	91.2	91.2	91.3	91.3	91.3
GE 1200	9.7	71.6	81.1	85.7	90.3	90.9	91.6	91.9	91.9	92.0	92.1	92.1	92.1	92.2	92.2	92.2
GE 1000	9.7	71.7	81.2	85.8	91.7	91.6	92.2	92.6	92.6	92.7	92.8	92.8	92.8	92.9	92.9	92.9
GE 900	9.7	71.9	81.4	86.0	91.2	91.8	92.4	92.8	92.8	92.9	93.0	93.0	93.0	93.1	93.2	93.2
GE 800	9.7	72.1	81.8	86.6	91.9	92.4	93.1	93.4	93.4	93.6	93.7	93.7	93.7	93.9	94.0	94.0
GE 700	9.7	72.1	81.9	86.8	92.1	92.7	93.3	93.7	93.7	93.8	93.9	93.9	93.9	94.1	94.2	94.2
GE 600	9.7	72.2	82.3	87.3	92.9	93.7	94.3	94.8	94.8	94.9	95.0	95.0	95.0	95.2	95.3	95.3
GE 500	9.7	72.3	82.4	87.4	93.7	94.4	95.2	95.7	95.7	95.8	95.9	95.9	95.9	96.1	96.2	96.2
GE 400	9.7	72.3	82.6	87.7	94.0	94.9	95.8	96.3	96.3	96.4	96.5	96.5	96.5	96.7	96.7	96.7
GE 300	9.7	72.3	82.6	87.7	94.1	94.9	95.7	96.7	97.3	97.3	97.4	97.4	97.4	97.6	97.7	97.7
GE 200	9.7	72.3	82.6	87.7	94.1	94.9	95.7	96.7	97.4	97.4	97.4	97.4	97.4	97.6	97.7	97.7
GE 100	9.7	72.3	82.6	87.7	94.1	94.9	95.7	96.7	97.4	97.4	97.4	97.4	97.4	97.6	97.7	97.7
GE 0	9.7	72.3	82.6	87.7	94.1	94.9	95.7	96.7	97.4	97.4	97.4	97.4	97.4	97.6	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS: 933

GLOBAL CLIMATOLOGY BRANCH  
USAF/CLAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724296 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS (LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	8.3	44.6	47.6	49.8	51.4	51.9	52.2	52.3	52.3	52.3	52.4	52.4	52.5	52.5	52.5	52.6
GE 20000	9.3	53.7	54.9	57.6	59.5	60.1	60.5	60.6	60.7	60.7	60.9	60.8	60.9	60.9	60.9	61.0
GE 18000	9.3	53.9	55.1	57.8	59.8	60.4	60.7	60.9	60.9	61.0	61.0	61.1	61.2	61.2	61.2	61.2
GE 16000	9.3	53.9	55.1	57.3	59.8	60.4	60.7	60.9	60.9	61.0	61.0	61.1	61.2	61.2	61.2	61.2
GE 14000	9.4	51.3	55.5	58.3	60.3	60.9	61.2	61.4	61.4	61.5	61.5	61.6	61.7	61.7	61.7	61.7
GE 12000	9.5	52.1	56.5	57.4	61.4	62.0	62.4	62.6	62.6	62.7	62.7	62.8	62.8	62.9	62.9	62.9
GE 10000	9.9	55.0	60.0	63.1	65.2	65.9	66.3	66.5	66.5	66.6	66.6	66.7	66.8	66.8	66.8	66.8
GE 9000	9.9	55.4	60.4	63.5	65.7	66.3	66.8	66.9	66.9	67.0	67.0	67.1	67.1	67.2	67.2	67.3
GE 8000	10.2	57.8	63.3	66.6	69.2	69.9	70.4	70.5	70.6	70.7	70.8	70.9	71.0	71.0	71.0	71.1
GE 7000	10.5	58.8	64.3	67.7	70.2	71.0	71.4	71.6	71.7	71.8	71.9	72.0	72.1	72.1	72.1	72.2
GE 6000	10.6	59.4	65.0	68.5	71.0	71.8	72.3	72.5	72.5	72.6	72.8	72.8	72.9	73.0	73.0	73.0
GE 5000	10.6	61.4	67.1	70.3	73.5	74.3	74.9	74.9	75.0	75.1	75.2	75.3	75.4	75.4	75.5	75.5
GE 4000	10.8	63.2	69.3	73.0	75.7	76.6	77.1	77.3	77.3	77.4	77.5	77.6	77.7	77.8	77.8	77.8
GE 3000	11.0	65.2	71.9	76.0	79.0	79.9	80.4	80.6	80.7	80.9	81.0	81.1	81.2	81.2	81.2	81.3
GE 2000	11.2	66.5	73.7	78.0	81.3	82.2	82.6	83.0	83.1	83.3	83.4	83.5	83.6	83.6	83.6	83.7
GE 1000	11.2	68.2	75.5	80.3	83.9	84.9	85.5	85.8	85.9	86.1	86.2	86.3	86.4	86.4	86.4	86.5
GE 2500	11.2	68.6	76.0	81.0	84.7	85.7	86.3	86.6	86.8	86.9	87.0	87.1	87.2	87.3	87.3	87.3
GE 2000	11.2	69.1	76.7	81.6	85.6	86.6	87.4	87.7	87.8	88.0	88.1	88.2	88.3	88.3	88.3	88.4
GE 1800	11.2	69.2	76.3	81.7	85.7	86.7	87.4	87.8	87.9	88.1	88.2	88.3	88.4	88.4	88.4	88.5
GE 1600	11.2	69.5	77.2	82.4	86.4	87.4	88.3	88.6	88.7	88.9	89.0	89.1	89.2	89.3	89.3	89.3
GE 1400	11.2	69.5	77.7	83.0	87.0	88.1	89.1	89.4	89.5	89.7	89.9	89.9	90.1	90.1	90.1	90.1
GE 1200	11.2	70.2	78.3	83.7	88.0	89.2	90.2	90.6	90.8	90.9	91.1	91.2	91.3	91.3	91.3	91.4
GE 1000	11.2	70.3	78.5	84.0	88.4	89.6	90.7	91.1	91.3	91.5	91.6	91.7	91.8	91.8	91.9	91.9
GE 900	11.2	70.5	78.7	84.3	88.6	89.8	90.9	91.2	91.6	91.7	91.9	92.1	92.2	92.3	92.4	92.4
GE 800	11.2	70.7	79.1	84.4	89.4	90.7	91.9	92.4	92.5	92.6	92.8	92.9	93.0	93.2	93.2	93.3
GE 700	11.2	70.9	79.3	85.1	89.7	91.1	92.4	93.0	93.1	93.4	93.6	93.6	93.8	93.8	93.8	93.9
GE 600	11.2	71.0	79.6	85.5	90.4	91.9	93.5	94.2	94.7	94.7	94.9	94.9	95.1	95.1	95.2	95.2
GE 500	11.2	71.0	79.6	85.7	90.7	92.3	94.1	95.0	95.0	95.5	95.5	95.9	96.0	96.1	96.1	96.2
GE 400	11.2	71.0	79.6	85.8	90.9	92.6	94.6	95.7	95.9	96.4	96.4	96.9	97.1	97.2	97.2	97.3
GE 300	11.2	71.0	79.7	85.8	91.1	92.8	95.2	95.4	95.6	97.2	97.9	98.0	98.3	98.5	98.5	98.7
GE 200	11.2	71.0	79.7	85.8	91.1	92.8	95.2	96.4	96.7	97.4	98.1	98.2	98.7	98.9	99.3	99.7
GE 100	11.2	71.0	79.7	85.8	91.1	92.8	95.2	96.4	96.7	97.4	98.1	98.2	98.7	98.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 7770

GLOBAL CLIMATOLOGY BRANCH  
USAF/CLAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB TX

PERIOD OF RECORD: 78-87

MONTH: JUL HOURS(IST): 0000-0200

CEILING			VICINITY IN STATUTE MILES																		
IN FEET	1	GE 17	GE 6	GE 5	GE 4	GE 3	2	GE 1 1/2	GE 2	1	GE 1 1/2	GE 1	1 1/4	GE 1	3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	1	2.7	42.4	48.2	51.9	54.3	55.5	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	
GE 20000	1	2.7	46.3	54.5	58.9	62.2	63.4	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	
GE 18000	1	2.7	46.3	54.5	58.9	62.2	63.4	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	
GE 16000	1	2.7	46.3	54.5	58.9	62.2	63.4	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	
GE 14000	1	2.9	46.6	54.7	59.2	62.6	63.9	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	
GE 12000	1	3.0	47.2	55.7	60.3	63.7	65.1	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	
GE 10000	1	3.0	50.1	59.1	64.5	68.8	70.3	71.5	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	
GE 9000	1	3.2	50.4	59.6	64.9	69.2	70.8	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	
GE 8000	1	3.3	52.9	63.2	69.1	73.4	74.9	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	
GE 7000	1	3.3	53.9	64.3	70.3	74.7	76.2	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	
GE 6000	1	3.3	53.9	64.3	70.3	74.9	76.6	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	
GE 5000	1	3.3	54.7	65.3	71.6	76.2	78.0	79.1	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	
GE 4500	1	3.3	55.6	66.3	72.7	77.4	79.1	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	
GE 4000	1	3.3	56.5	67.6	74.3	79.1	80.9	82.0	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	
GE 3500	1	3.3	57.1	68.9	75.6	80.4	82.2	83.4	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	
GE 3000	1	3.3	58.5	70.6	77.5	82.5	84.2	85.5	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	
GE 2500	1	3.3	59.7	71.4	78.3	83.2	84.9	86.3	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	
GE 2000	1	3.3	58.9	71.9	78.8	84.1	85.8	87.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	
GE 1800	1	3.7	54.9	71.9	78.9	84.2	86.0	87.4	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	
GE 1600	1	3.2	59.6	73.0	80.1	85.6	87.5	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	
GE 1400	1	3.3	59.6	73.2	80.5	86.0	88.0	89.6	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	
GE 1200	1	3.3	60.0	74.1	81.4	87.0	89.0	90.6	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	
GE 1000	1	3.7	60.0	74.0	81.5	87.2	89.2	90.9	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	
GE 900	1	3.3	60.0	74.2	81.9	88.0	90.0	91.6	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	
GE 800	1	3.7	60.1	74.4	82.2	88.2	90.2	91.9	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	
GE 700	1	3.7	60.1	74.5	82.4	88.6	90.8	92.5	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	
GE 600	1	3.3	60.1	74.7	82.5	89.4	91.5	93.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	
GE 500	1	3.3	60.1	74.7	82.6	89.5	91.6	93.7	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	
GE 400	1	3.7	60.3	75.1	82.3	90.0	92.4	94.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	
GE 300	1	3.2	60.5	75.4	83.7	90.3	92.7	94.6	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	
GE 200	1	3.3	60.5	75.4	83.8	90.4	92.8	94.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	
GE 100	1	3.2	60.5	75.4	83.8	90.4	92.8	94.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	

TOTAL NUMBER OF OBSERVATIONS: 500

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 76-87  
MONTH: JUL      HOURS(LST): 0300-0500

CEILING				VISIBILITY IN STATUTE MILES															
IN FEET	1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0		
NO CEIL	1	3.7	34.0	39.6	43.8	48.4	50.1	51.5	52.2	52.2	52.7	53.0	53.0	53.2	53.2	53.3	53.7		
GE 20000	3.4	38.4	45.0	50.2	55.8	58.1	59.9	60.9	60.9	61.4	61.8	61.8	62.2	62.2	62.4	62.7	62.7		
GE 18000	3.4	38.4	45.0	50.2	55.8	58.1	59.9	60.9	60.9	61.4	61.8	61.8	62.2	62.2	62.4	62.7	62.7		
GE 16000	3.4	38.4	45.0	50.2	55.8	58.1	59.9	60.9	60.9	61.4	61.8	61.8	62.2	62.2	62.4	62.7	62.7		
GE 14000	3.4	38.4	45.0	50.2	55.8	58.1	59.9	61.0	61.0	61.5	61.9	61.9	62.3	62.3	62.5	62.8	62.8		
GE 12000	3.5	39.1	46.0	51.3	57.0	59.2	61.3	62.4	62.4	62.9	63.3	63.3	63.7	63.7	63.9	64.2	64.2		
GE 11000	3.5	41.6	49.1	54.9	61.6	64.1	66.6	67.6	67.6	68.5	68.9	68.9	69.2	69.2	69.5	69.8	69.8		
GE 9000	3.5	41.6	49.1	54.9	61.6	64.1	66.6	67.6	67.6	68.5	68.9	68.9	69.2	69.2	69.5	69.8	69.8		
GE 8000	3.5	43.3	51.3	57.6	64.7	67.3	70.1	71.4	71.4	72.2	72.7	72.8	73.1	73.1	73.3	73.7	73.7		
GE 7000	3.5	43.7	51.7	58.4	65.3	67.8	70.6	71.9	71.9	72.8	73.2	73.3	73.7	73.7	73.9	74.2	74.2		
GE 6000	3.5	44.0	52.0	58.6	65.9	68.6	71.4	72.7	72.7	73.5	74.0	74.1	74.4	74.4	74.6	74.9	74.9		
GE 5000	3.5	44.6	52.7	59.4	66.8	69.5	72.5	73.8	73.8	74.6	75.1	75.2	75.5	75.5	75.7	76.0	76.0		
GE 4000	3.5	45.2	53.6	60.4	68.0	70.9	74.0	75.3	75.3	76.1	76.6	76.7	77.0	77.0	77.2	77.5	77.5		
GE 3000	3.5	46.0	54.5	61.2	69.0	72.0	75.2	76.5	76.5	77.3	77.8	78.2	78.5	78.5	78.7	79.0	79.0		
GE 2000	3.5	46.9	55.4	62.0	70.1	73.1	76.5	77.7	77.7	78.6	79.5	79.6	79.9	79.9	80.1	80.4	80.4		
GE 1000	3.5	47.6	56.5	63.4	71.6	74.6	78.0	79.2	79.2	80.1	81.0	81.1	81.4	81.4	81.6	81.9	81.9		
GE 2500	3.5	47.7	57.0	64.1	72.3	75.3	78.6	79.9	79.9	80.8	81.6	81.7	82.0	82.0	82.3	82.6	82.6		
GE 1500	3.5	48.0	57.3	64.6	72.9	75.9	79.2	80.5	80.5	81.4	82.3	82.5	83.0	83.0	83.2	83.5	83.5		
GE 1200	3.5	48.0	57.3	64.6	72.9	75.9	79.2	80.5	80.5	81.4	82.3	82.5	83.0	83.0	83.2	83.5	83.5		
GE 1000	3.5	48.4	58.0	65.7	74.2	77.2	80.6	81.8	81.8	82.7	83.6	83.8	84.3	84.3	84.5	84.8	84.8		
GE 800	3.5	48.9	59.5	66.7	75.3	78.3	81.7	83.0	83.0	83.9	84.7	84.9	85.5	85.5	85.7	86.0	86.0		
GE 600	3.5	49.0	59.6	67.4	76.4	79.5	82.0	84.4	84.4	85.4	86.2	86.5	87.1	87.1	87.2	87.5	87.5		
GE 500	3.5	49.0	59.6	67.4	76.4	79.5	82.0	84.4	84.4	85.4	86.2	86.5	87.1	87.1	87.2	87.5	87.5		
GE 400	3.5	49.1	59.8	67.5	76.4	79.5	82.0	84.4	84.4	85.4	86.2	86.5	87.1	87.1	87.2	87.5	87.5		
GE 300	3.5	49.1	59.8	67.5	76.4	79.5	82.0	84.4	84.4	85.4	86.2	86.5	87.1	87.1	87.2	87.5	87.5		
GE 200	3.5	49.1	59.8	67.5	76.4	79.5	82.0	84.4	84.4	85.4	86.2	86.5	87.1	87.1	87.2	87.5	87.5		
GE 100	3.5	49.1	59.8	67.5	76.4	79.5	82.0	84.4	84.4	85.4	86.2	86.5	87.1	87.1	87.2	87.5	87.5		
GE 50	3.5	49.1	59.8	67.5	76.4	79.5	82.0	84.4	84.4	85.4	86.2	86.5	87.1	87.1	87.2	87.5	87.5		
GE 25	3.5	49.1	59.8	67.5	76.4	79.5	82.0	84.4	84.4	85.4	86.2	86.5	87.1	87.1	87.2	87.5	87.5		
GE 10	3.5	49.1	59.8	67.5	76.4	79.5	82.0	84.4	84.4	85.4	86.2	86.5	87.1	87.1	87.2	87.5	87.5		
GE 5	3.5	49.1	59.8	67.5	76.4	79.5	82.0	84.4	84.4	85.4	86.2	86.5	87.1	87.1	87.2	87.5	87.5		
GE 2	3.5	49.1	59.8	67.5	76.4	79.5	82.0	84.4	84.4	85.4	86.2	86.5	87.1	87.1	87.2	87.5	87.5		
GE 1	3.5	49.1	59.8	67.5	76.4	79.5	82.0	84.4	84.4	85.4	86.2	86.5	87.1	87.1	87.2	87.5	87.5		
GE 0	3.5	49.1	59.8	67.5	76.4	79.5	82.0	84.4	84.4	85.4	86.2	86.5	87.1	87.1	87.2	87.5	87.5		

TOTAL NUMBER OF OBSERVATIONS: 250

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

PERIOD OF RECORD: 78-87

MONTH: JUL HOURS (LST): 0600-0800

CEILING			VISIBILITY IN STATUTE MILES															
IN FEET	1	GL 1/8	GE 6	GE 5	GE 4	GE 3	2 1/2	GE 2	GF 1 1/2	GE 1 1/4	GE 1	GE 3/4	GF 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
5000	4.7	33.7	39.7	42.3	45.1	48.3	49.0	49.7	49.8	50.4	50.4	50.8	51.2	51.3	51.3	51.5		
GE 2000	5.3	34.4	44.1	48.1	53.1	55.7	56.8	57.5	57.8	58.8	59.2	59.2	59.7	59.9	60.0	60.3		
GE 1000	5.3	34.4	44.1	48.1	53.1	55.7	56.8	57.5	57.8	58.8	59.2	59.2	59.7	59.9	60.0	60.3		
GE 500	5.7	34.4	44.3	48.3	53.5	56.1	57.2	58.0	58.3	59.2	59.7	59.7	60.1	60.3	60.4	60.8		
GE 100	5.4	39.4	45.8	49.8	55.2	57.7	58.8	59.6	59.9	60.9	61.3	61.3	61.7	61.9	62.0	62.4		
GE 50	5.5	41.6	48.6	53.7	59.8	62.4	64.1	65.1	65.4	66.5	67.1	67.1	67.7	68.0	68.1	68.4		
GE 20	5.5	41.7	49.7	53.8	59.9	62.5	64.2	65.2	65.5	66.6	67.2	67.2	67.8	68.1	68.2	68.5		
GE 10	5.5	44.5	52.6	57.8	64.9	68.0	69.8	71.3	71.3	72.4	72.7	73.1	73.9	74.1	74.3	74.6		
GE 5	5.5	45.2	53.4	58.7	65.9	68.9	70.8	71.9	72.3	73.3	74.1	74.2	74.9	75.2	75.4	75.7		
GE 0	5.5	45.5	53.8	59.1	66.2	69.2	71.1	72.3	72.6	73.7	74.4	74.5	75.3	75.5	75.7	76.0		
GE 5000	5.5	45.8	54.4	59.7	66.9	69.9	71.7	72.9	73.2	74.3	75.1	75.2	75.9	76.1	76.3	76.7		
GE 2000	5.5	46.5	55.2	60.5	67.7	70.7	72.1	74.3	74.6	75.7	76.5	76.6	77.3	77.5	77.7	78.1		
GE 1000	5.5	47.1	55.9	61.3	68.4	71.4	74.3	75.5	75.8	76.9	77.6	77.7	78.5	78.7	78.9	79.2		
GE 500	5.5	48.0	56.9	62.3	70.2	73.5	75.5	76.8	77.1	78.4	79.1	79.2	80.0	80.2	80.4	80.9		
GE 100	5.5	48.6	58.1	63.8	71.7	75.5	77.4	78.8	79.1	80.6	81.4	81.5	82.3	82.5	82.7	83.1		
GE 50	5.5	49.0	58.4	64.1	72.0	75.8	77.7	79.1	79.5	81.0	81.7	81.8	82.8	83.0	83.4	83.4		
GE 20	5.5	49.5	59.0	64.7	72.7	76.6	78.6	80.0	80.4	81.9	82.6	82.9	83.7	83.9	84.1	84.5		
GE 10	5.5	49.5	59.0	64.7	72.7	76.6	78.7	80.1	80.5	82.0	82.9	83.2	83.9	84.3	84.2	84.6		
GE 5	5.5	50.1	59.6	65.2	74.3	78.4	80.5	81.9	82.5	84.1	85.1	85.2	86.0	86.2	86.5	86.9		
GE 0	5.5	50.3	60.1	65.8	74.7	78.9	81.2	82.7	83.2	84.8	85.8	85.9	86.8	87.0	87.2	87.6		
GE 5000	5.5	50.9	60.8	66.3	75.8	80.0	82.4	84.3	84.5	86.1	87.1	87.2	88.1	88.3	88.5	88.9		
GE 2000	5.5	50.9	60.9	66.4	76.0													

TOTAL NUMBER OF OBSERVATIONS: 610

GLOBAL CLIMATOLOGY BRANCH  
USAF/ATC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 75-87

MONTH: JUL HOURS(IST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15	GE 16
NO CEIL	7.1	37.5	44.7	48.0	51.1	51.1	51.4	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
GE 0000	7.4	44.6	51.1	56.0	54.7	56.7	59.0	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 0001	7.4	44.7	51.2	56.1	54.8	56.8	59.1	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 0002	7.4	44.7	51.2	56.1	54.8	56.8	59.1	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 0003	7.4	44.6	51.4	56.3	54.1	59.1	59.5	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 0004	7.7	46.7	57.5	56.5	61.3	61.3	61.6	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 0005	P.C	50.1	57.4	63.0	66.1	66.1	66.6	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 0006	8.0	50.2	57.5	63.1	66.2	66.2	66.7	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 0007	P.C	54.0	60.3	66.3	71.6	71.7	72.2	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 0008	8.0	54.6	61.3	64.4	72.7	72.8	73.2	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 0009	P.C	54.7	63.4	69.5	72.8	73.0	73.4	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 0010	8.0	55.3	64.1	70.0	74.0	74.2	74.6	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 0011	8.0	55.7	65.1	71.0	75.1	75.4	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 0012	8.0	56.5	65.9	71.9	76.3	76.7	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 0013	8.0	57.6	67.4	74.6	78.3	78.6	79.2	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 0014	8.2	67.5	70.4	78.2	82.0	82.5	83.3	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 0015	8.2	61.7	71.9	79.9	84.3	84.7	85.7	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 0016	8.2	62.8	73.4	81.8	86.7	87.2	88.2	88.6	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2
GE 0017	8.2	62.9	73.5	81.9	86.8	87.3	88.3	88.9	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4
GE 0018	8.2	64.0	74.8	83.5	88.8	89.4	90.5	91.2	91.5	91.7	91.9	91.9	91.9	91.9	91.9	91.9
GE 0019	8.2	64.5	75.4	84.2	89.9	90.4	91.6	92.3	92.6	92.6	93.0	93.0	93.0	93.0	93.0	93.0
GE 0020	8.2	65.1	76.1	85.1	91.1	92.2	93.7	94.4	94.7	94.9	95.2	95.2	95.2	95.2	95.2	95.2
GE 0021	8.2	65.2	76.3	85.4	91.7	92.6	94.3	95.1	95.4	95.6	95.9	95.9	95.9	95.9	95.9	95.9
GE 0022	8.2	65.1	76.6	85.6	92.2	93.2	94.8	95.6	95.9	96.1	96.6	96.6	96.6	96.6	96.6	96.6
GE 0023	8.2	65.2	76.8	85.8	92.6	93.6	95.5	96.2	96.6	97.0	97.3	97.3	97.3	97.3	97.3	97.3
GE 0024	8.2	65.2	76.8	85.8	92.7	93.9	95.7	96.6	96.9	97.4	97.7	97.7	97.7	97.7	97.7	97.7
GE 0025	8.2	65.3	77.1	86.1	93.0	94.3	96.5	97.6	98.0	98.5	98.8	98.8	98.8	98.8	98.8	98.8
GE 0026	8.2	65.3	77.1	86.2	93.3	94.7	97.1	98.2	98.6	99.1	99.5	99.5	99.5	99.5	99.5	99.5
GE 0027	8.2	65.3	77.2	86.3	93.4	94.9	97.3	98.5	98.8	99.6	99.9	99.9	99.9	99.9	99.9	99.9
GE 0028	8.2	65.3	77.2	86.3	93.4	94.9	97.3	98.5	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0
GE 0029	8.2	65.3	77.2	86.3	93.4	94.9	97.3	98.5	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0
GE 0030	8.2	65.3	77.2	86.3	93.4	94.9	97.3	98.5	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 231

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS(LST): 1200-1400

CEILING	VISIBILITY IN STATUTE MILES																
	IN FEET	GE 1/8	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	1	6.1	76.8	40.5	43.9	44.8	45.2	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
GE 20000	7.1	43.3	48.7	53.0	54.3	54.6	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 18000	7.1	43.3	48.7	53.0	54.3	54.6	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 16000	7.1	43.3	48.7	53.0	54.3	54.6	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 14000	7.1	43.5	48.9	53.2	54.6	54.9	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 12000	7.2	44.8	50.9	55.4	57.1	57.4	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 10000	7.3	47.5	54.0	59.0	63.8	64.1	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 9000	7.3	47.6	54.1	59.1	63.9	64.2	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE 8000	7.8	51.9	59.5	64.7	66.8	67.1	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 7000	7.8	52.5	60.1	65.6	67.6	68.0	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 6000	7.8	53.0	60.9	66.5	68.5	68.8	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 5000	7.8	53.5	61.4	67.0	69.2	69.6	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 4000	7.9	54.5	62.7	68.4	70.6	71.0	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 3000	7.8	55.6	63.9	70.8	73.1	73.7	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 2000	8.5	62.2	72.4	80.1	82.9	83.4	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 1000	8.9	66.5	77.6	86.2	89.7	90.3	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 2500	8.9	67.5	79.1	88.0	91.7	92.4	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 2000	8.9	69.5	81.5	90.6	94.6	95.4	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1500	8.9	69.6	81.6	91.1	94.9	95.7	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1000	8.9	70.3	82.1	92.3	96.1	97.0	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1000	8.9	70.5	82.5	92.7	96.7	97.5	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1000	8.9	70.5	83.5	92.7	97.0	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1000	8.9	70.8	84.9	93.0	97.4	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	8.9	70.8	84.9	93.0	97.4	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	8.9	70.8	84.9	93.0	97.4	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	8.9	70.8	84.9	93.0	97.4	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	8.9	70.8	84.9	93.0	97.4	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	8.9	70.8	84.9	93.0	97.4	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	8.9	70.8	84.9	93.0	97.4	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	8.9	70.8	84.9	93.0	97.4	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	8.9	70.8	84.9	93.0	97.4	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	8.9	70.8	84.9	93.0	97.4	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	8.9	70.8	84.9	93.0	97.4	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	8.9	70.8	84.9	93.0	97.4	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	8.9	70.8	84.9	93.0	97.4	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	8.9	70.8	84.9	93.0	97.4	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	8.9	70.8	84.9	93.0	97.4	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	8.9	70.8	84.9	93.0	97.4	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	8.9	70.8	84.9	93.0	97.4	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	8.9	70.8	84.9	93.0	97.4	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	8.9	70.8	84.9	93.0	97.4	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	8.9	70.8	84.9	93.0	97.4	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	8.9	70.8	84.9	93.0	97.4	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	8.9	70.8	84.9	93.0	97.4	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	8.9	70.8	84.9	93.0	97.4	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	8.9	70.8	84.9	93.0	97.4	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	8.9	70.8	84.9	93.0	97.4	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	8.9	70.8	84.9	93.0	97.4	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000																	

TOTAL NUMBER OF OBSERVATIONS: 250

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

PERIOD OF RECORD: 78-87

MONTH: JUL HOURS(LST): 1500-1700

CEILING	VISIBILITY IN STATUTE MILES																
	IN FOOT	GE 1	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEILING	1	3.1	34.3	42.6	47.1	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 20000	3.6	45.1	50.4	53.3	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 18000	3.6	45.5	51.2	56.2	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 16000	3.6	45.5	51.2	56.2	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 14000	3.6	45.5	51.2	56.2	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 12000	3.6	45.7	53.0	55.2	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 10000	3.7	49.8	56.7	62.3	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 9000	3.7	50.0	57.5	62.4	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 8000	3.7	50.9	58.3	68.3	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 7000	3.7	54.3	63.1	69.0	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 6000	3.5	58.9	67.8	69.7	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 5000	3.5	56.7	65.7	71.6	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 4500	3.6	57.8	67.9	73.9	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 4000	3.6	60.5	71.0	77.6	80.9	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 3500	3.7	64.5	77.0	84.0	87.2	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 3000	10.0	68.6	81.9	89.2	93.0	93.4	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 2500	10.0	69.4	83.5	93.9	94.0	94.4	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.8	94.8	94.8	94.8
GE 2000	10.0	69.9	84.2	93.3	95.1	95.6	95.9	96.0	96.0	96.1	96.1	96.1	96.2	96.3	96.3	96.3	96.3
GE 1800	10.0	70.1	84.2	94.0	95.3	95.8	96.1	96.2	96.2	96.3	96.3	96.3	96.3	96.6	96.6	96.6	96.6
GE 1600	10.0	70.6	84.3	94.6	95.9	96.5	96.8	96.9	96.9	97.0	97.0	97.0	97.1	97.2	97.2	97.2	97.2
GE 1400	10.0	70.8	85.9	91.7	96.2	97.0	97.3	97.4	97.4	97.5	97.5	97.6	97.6	97.7	97.7	97.7	97.7
GE 1200	10.0	71.0	84.2	92.0	96.8	97.8	98.0	98.2	98.3	98.3	98.4	98.4	98.5	98.6	98.6	98.6	98.6
GE 1000	10.0	71.0	84.2	92.0	96.8												
GE 1000	10.0	71.0	84.2	92.0	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	10.0	71.0	84.2	92.0	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	10.0	71.0	84.2	92.0	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	10.0	71.0	84.2	92.0	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	10.0	71.0	84.2	92.0	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	10.0	71.0	84.2	92.0	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	10.0	71.0	84.2	92.0	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	10.0	71.0	84.2	92.0	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	10.0	71.0	84.2	92.0	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	10.0	71.0	84.2	92.0	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	10.0	71.0	84.2	92.0	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	10.0	71.0	84.2	92.0	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	10.0	71.0	84.2	92.0	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	10.0	71.0	84.2	92.0	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	10.0	71.0	84.2	92.0	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	10.0	71.0	84.2	92.0	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	10.0	71.0	84.2	92.0	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	10.0	71.0	84.2	92.0	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	10.0	71.0	84.2	92.0	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	10.0	71.0	84.2	92.0	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	10.0	71.0	84.2	92.0	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	10.0	71.0	84.2	92.0	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	10.0	71.0	84.2	92.0	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	10.0	71.0	84.2	92.0	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	10.0	71.0	84.2	92.0	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	10.0	71.0	84.2	92.0	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	10.0	71.0	84.2	92.0	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	10.0	71.0	84.2	92.0	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	10.0	71.0	84.2	92.0	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	10.0	71.0	84.2	92.0	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	10.0	71.0	84.2	92.0	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	10.0	71.0	84.2	92.0	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	10.0	71.0	84.2	92.0	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	10.0	71.0	84.2	92.0	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.		

TOTAL NUMBER OF OBSERVATIONS: 750

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724196 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS (LST): 1900-2000

CEILING		VISIBILITY IN STATUTE MILES																
IN FEET	1	GE 10	GE 6	GF 5	GE 4	GE 3	GE 2 1/2	GE 2	GF 1 1/2	GE 1 1/4	GE 1	GE 3/4	GF 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	1	9.3	43.4	47.3	52.2	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	
GE 2000	1	9.1	51.2	57.3	63.7	65.4	65.7	65.9	65.9	65.9	65.8	65.9	65.9	65.9	65.9	65.9	65.9	
GE 1400	1	9.1	51.2	57.3	63.6	65.5	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	
GE 1000	1	9.1	51.2	57.3	63.6	65.5	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	
GE 800	1	9.1	51.6	57.8	64.3	65.9	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	
GE 600	1	9.1	52.3	59.7	65.4	67.3	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	
GE 400	1	9.4	57.4	59.4	71.4	73.3	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	
GE 300	1	9.4	57.8	64.6	71.9	74.4	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	
GE 200	1	9.9	61.6	69.5	70.4	79.4	79.8	80.7	81.0	81.7	80.0	81.7	80.0	81.7	81.7	81.7	81.7	
GE 100	1	9.9	62.0	69.6	77.2	79.7	80.2	80.3	81.3	81.3	80.3	81.3	80.3	81.3	81.3	81.3	81.3	
GE 0	1	9.9	62.2	77.3	77.4	80.3	80.4	80.5	81.5	81.5	80.5	81.5	81.5	81.5	81.5	81.5	81.5	
GE 5000	1	9.9	63.6	71.7	79.2	82.0	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	
GE 4500	1	9.9	63.9	72.3	81.1	81.1	81.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	
GE 4000	1	10.2	65.5	74.4	82.9	86.3	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	
GE 3500	1	10.2	66.2	75.6	84.4	89.5	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	
GE 3000	1	10.2	67.3	77.3	86.7	91.2	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	
GE 2500	1	10.2	67.7	77.4	87.6	91.1	92.7	92.8	93.0	93.7	93.0	93.7	93.0	93.0	93.0	93.0	93.0	
GE 2000	1	10.2	68.1	77.9	88.3	93.4	94.2	94.6	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	
GE 1500	1	10.2	68.4	74.3	84.7	93.9	94.6	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	
GE 1000	1	10.2	68.4	79.5	92.1	95.7	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	
GE 800	1	10.2	69.4	79.5	92.1	95.7	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	
GE 600	1	10.2	69.4	79.5	92.1	95.7	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	
GE 400	1	10.2	69.4	79.5	92.1	95.7	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	
GE 300	1	10.2	69.4	79.5	92.1	95.7	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	
GE 200	1	10.2	69.4	79.5	92.1	95.7	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	
GE 100	1	10.2	69.4	79.5	92.1	95.7	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	
GE 0	1	10.2	69.4	79.5	92.1	95.7	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH  
USAF/CLTAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES																							
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 7/16	GE 1/4	GE 0							
NO CEIL	4.4	46.0	51.3	53.0	58.1	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6							
1-2000	4.9	50.4	57.3	63.0	66.1	66.7	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3							
2-1000	4.9	50.4	57.3	63.0	66.1	66.7	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3							
3-1000	4.9	50.4	57.3	63.0	66.1	66.7	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3							
4-1000	4.9	50.4	57.3	63.0	66.1	66.7	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3							
5-1000	4.9	51.0	58.4	64.5	67.6	68.6	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3							
6-1000	5.1	57.5	61.5	68.3	71.7	72.7	73.1	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4							
7-1000	5.1	57.8	62.0	68.8	72.3	73.2	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9							
8-1000	5.5	57.1	66.1	73.6	77.6	78.4	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1							
9-1000	5.6	57.2	65.2	73.6	77.7	78.6	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3							
10-1000	5.6	57.7	66.9	74.4	79.4	79.4	79.4	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0							
11-1000	5.9	59.1	68.3	76.2	80.2	81.1	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8							
12-1000	5.9	59.5	69.2	77.6	81.1	82.1	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7							
13-1000	5.9	60.6	70.7	78.9	83.3	84.3	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9							
14-1000	5.9	61.7	72.1	80.7	85.6	86.5	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2							
15-1000	5.9	62.9	74.2	83.4	89.1	90.2	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8							
16-1000	5.9	63.1	74.4	84.0	89.9	91.0	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8							
17-1000	5.9	63.3	75.1	84.8	90.6	91.6	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6							
18-1000	5.9	63.5	75.4	85.1	91.0	92.3	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1							
19-1000	5.9	64.4	76.5	86.4	92.4	93.9	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9							
20-1000	5.9	64.5	76.6	86.5	92.6	94.0	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1							
21-1000	5.9	64.6	77.6	87.6	93.7	95.1	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5							
22-1000	5.9	64.9	77.7	87.8	94.1	95.4	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8							
23-1000	5.9	64.9	77.7	87.8	94.4	95.6	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2							
24-1000	5.9	64.9	77.7	87.8	94.7	96.1	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5							
25-1000	5.9	64.9	77.8	88.2	95.0	96.4	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8							
26-1000	5.9	64.9	77.9	88.3	95.1	96.5	97.6	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4							
27-1000	5.9	64.9	77.9	88.3	95.1	97.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0							
28-1000	5.9	64.9	77.9	88.3	95.1	97.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0							
29-1000	5.9	64.9	77.9	88.3	95.1	97.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0							
30-1000	5.9	64.9	77.9	88.3	95.1	97.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0							
31-1000	5.9	64.9	77.9	88.3	95.1	97.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0							
32-1000	5.9	64.9	77.9	88.3	95.1	97.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0							
33-1000	5.9	64.9	77.9	88.3	95.1	97.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0							
34-1000	5.9	64.9	77.9	88.3	95.1	97.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0							
35-1000	5.9	64.9	77.9	88.3	95.1	97.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0							
36-1000	5.9	64.9	77.9	88.3	95.1	97.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0							
37-1000	5.9	64.9	77.9	88.3	95.1	97.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0							
38-1000	5.9	64.9	77.9	88.3	95.1	97.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0							
39-1000	5.9	64.9	77.9	88.3	95.1	97.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0							
40-1000	5.9	64.9	77.9	88.3	95.1	97.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0							
41-1000	5.9	64.9	77.9	88.3	95.1	97.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0							
42-1000	5.9	64.9	77.9	88.3	95.1	97.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0							
43-1000	5.9	64.9	77.9	88.3	95.1	97.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0							
44-1000	5.9	64.9	77.9	88.3	95.1	97.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0							
45-1000	5.9	64.9	77.9	88.3	95.1	97.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0							
46-1000	5.9	64.9	77.9	88.3	95.1	97.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0							
47-1000	5.9	64.9	77.9	88.3	95.1	97.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0							
48-1000	5.9	64.9	77.9	88.3	95.1	97.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0							
49-1000	5.9	64.9	77.9	88.3	95.1	97.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0							
50-1000	5.9	64.9	77.9																					

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS (LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CLIL	5.6	59.2	44.1	45.2	50.5	51.2	51.6	51.6	51.3	52.0	52.1	52.1	52.1	52.2	52.2	52.2
GE 20000	6.1	44.7	51.1	56.1	59.1	60.0	60.6	60.9	61.0	61.2	61.3	61.3	61.4	61.4	61.4	61.5
GE 18000	6.1	44.6	51.2	56.1	59.2	60.1	60.7	61.0	61.1	61.3	61.4	61.4	61.5	61.5	61.5	61.6
GE 16000	6.1	44.8	51.2	56.1	59.2	60.1	60.7	61.0	61.1	61.3	61.4	61.4	61.5	61.5	61.5	61.6
GE 14000	6.1	44.9	51.3	56.3	59.4	60.4	61.0	61.4	61.4	61.6	61.7	61.7	61.8	61.8	61.9	61.9
GE 12000	6.2	45.9	52.9	57.9	61.1	62.1	62.8	63.1	63.2	63.3	63.5	63.5	63.6	63.6	63.6	63.7
GE 10000	6.4	47.0	56.9	62.1	65.9	66.9	67.7	68.1	68.1	68.4	68.5	68.5	68.6	68.6	68.7	68.8
GE 8000	6.4	49.1	56.6	62.4	66.1	67.1	67.9	68.3	68.4	68.6	68.8	68.8	68.9	68.9	68.9	69.0
GE 6000	6.6	52.4	60.9	67.0	71.1	72.2	73.1	73.5	73.6	73.8	73.9	74.0	74.1	74.1	74.2	74.3
GE 4000	6.6	52.9	61.5	67.7	71.8	73.0	73.9	74.3	74.3	74.6	74.7	74.8	74.9	74.9	75.0	75.1
GE 2000	6.6	53.2	61.9	68.2	72.3	73.5	74.4	74.8	74.8	75.1	75.2	75.3	75.4	75.4	75.5	75.6
GE 1000	6.7	54.2	62.9	69.4	73.6	74.8	75.7	76.2	76.2	76.5	76.6	76.7	76.8	76.8	76.9	76.9
GE 800	6.7	54.9	64.0	71.5	74.8	76.1	77.1	77.6	77.6	77.8	77.9	78.0	78.2	78.2	78.2	78.3
GE 600	6.7	56.0	65.5	72.5	77.1	78.4	79.4	79.9	79.9	80.1	80.3	80.3	80.5	80.5	80.6	80.6
GE 400	6.8	58.0	68.2	75.5	82.4	81.7	82.7	83.2	83.3	83.6	83.8	83.8	84.0	84.0	84.0	84.1
GE 200	7.0	60.1	72.3	79.5	87.9	85.3	86.4	86.9	87.0	87.2	87.5	87.5	87.7	87.7	87.7	87.8
GE 100	7.0	60.6	71.5	79.5	84.9	86.4	87.5	88.1	88.1	88.4	88.6	88.7	88.8	88.9	88.9	89.0
GE 80	7.0	61.2	72.4	80.5	86.2	87.8	88.9	89.5	89.6	89.9	90.2	90.2	90.4	90.4	90.5	90.6
GE 60	7.0	61.4	72.6	81.9	86.5	88.1	89.2	89.8	89.8	90.2	90.4	90.5	90.7	90.7	90.8	90.9
GE 40	7.0	62.1	73.6	82.0	87.3	89.5	90.8	91.4	91.5	91.8	92.1	92.1	92.4	92.4	92.5	92.5
GE 20	7.0	62.3	73.9	82.4	88.4	90.1	91.4	92.0	92.1	92.4	92.7	92.8	93.0	93.0	93.0	93.1
GE 10	7.0	62.6	74.4	83.0	89.3	91.1	92.5	93.1	93.2	93.6	93.9	93.9	94.1	94.2	94.2	94.3
GE 8	7.0	62.6	74.6	83.2	89.5	91.4	92.8	93.5	93.6	94.0	94.2	94.3	94.5	94.5	94.6	94.7
GE 6	7.0	62.7	74.7	83.4	89.9	91.8	93.3	94.0	94.1	94.5	94.8	94.8	95.1	95.1	95.1	95.2
GE 4	7.0	62.7	74.8	83.7	90.3	92.3	93.9	94.5	94.6	95.1	95.4	95.4	95.6	95.7	95.7	95.8
GE 2	7.0	62.7	74.7	83.5	90.6	92.6	94.2	95.1	95.2	95.6	95.9	96.0	96.2	96.3	96.3	96.4
GE 1	7.0	62.8	75.0	84.3	90.9	93.1	94.9	95.8	96.1	96.5	96.9	97.0	97.2	97.3	97.3	97.4
GE 0.8	7.0	62.8	75.1	84.4	91.0	93.3	95.3	96.2	96.4	97.0	97.4	97.5	97.8	97.8	97.8	97.9
GE 0.6	7.0	62.8	75.1	84.2	91.1	93.5	95.5	96.7	96.9	97.5	97.9	98.0	98.5	98.5	98.5	98.6
GE 0.4	7.0	62.9	75.2	84.3	91.2	93.5	95.6	96.9	97.1	97.9	98.4	98.5	98.9	99.0	99.1	99.2
GE 0.2	7.0	62.9	75.2	84.3	91.2	93.5	95.6	96.9	97.1	97.9	98.5	98.6	99.1	99.1	99.4	99.7
GE 0.1	7.0	62.9	75.2	84.3	91.2	93.5	95.6	96.9	97.1	97.9	98.5	98.6	99.1	99.1	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 7435

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(UT): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 7/16	GE 1/4	GE 0
NO CEIL	2.9	37.8	42.9	47.4	50.4	51.5	52.4	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 20000	2.9	42.7	49.2	55.2	58.7	60.3	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 18000	2.9	42.7	49.2	55.2	58.7	60.3	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 16000	2.9	42.7	49.2	55.2	58.7	60.3	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 14000	2.9	42.7	49.2	55.2	58.7	60.3	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 12000	2.9	43.0	49.7	55.6	59.1	60.8	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 10000	2.9	47.5	54.7	61.4	65.3	67.1	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 9000	2.9	47.7	54.9	61.6	65.5	67.3	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 8000	2.9	50.2	58.3	65.3	69.4	71.8	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 7000	2.9	51.4	58.5	66.0	70.3	72.3	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 6000	2.9	51.8	59.8	66.3	70.6	72.9	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 5000	2.9	51.1	59.1	66.7	71.0	73.2	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 4000	2.9	51.4	59.8	67.8	72.5	74.7	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 3000	3.1	53.2	61.9	70.4	75.1	77.6	79.9	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 2500	3.2	54.6	63.5	72.2	77.2	79.7	82.2	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 2000	3.2	55.3	65.7	74.3	79.7	82.3	85.2	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 1500	3.2	55.5	65.8	74.6	80.3	82.9	85.8	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 1000	3.2	57.3	66.8	75.6	81.3	83.9	86.8	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 800	3.2	57.3	66.8	75.6	81.3	83.9	86.8	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 600	3.2	58.2	67.8	76.9	82.7	85.3	88.2	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 500	3.2	58.4	69.2	77.5	83.9	86.7	89.7	90.1	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 400	3.2	58.5	68.3	77.6	84.0	86.9	89.9	90.3	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 300	3.2	58.6	68.5	78.0	84.5	87.5	90.5	91.0	91.4	91.5	91.8	91.8	91.8	91.8	91.8	91.8
GE 200	3.2	58.6	68.5	78.2	84.9	88.0	91.4	91.8	91.9	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 100	3.2	58.6	68.7	78.5	85.3	88.3	91.7	92.2	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 50	3.2	58.6	68.8	78.7	85.6	88.6	92.3	92.4	92.9	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 40	3.2	58.7	69.0	79.1	86.1	89.4	92.7	94.2	94.3	94.7	94.8	94.8	94.8	94.8	94.8	94.8
GE 30	3.2	58.7	69.0	79.1	86.1	89.4	92.7	94.2	94.3	94.7	94.8	94.8	94.8	94.8	94.8	94.8
GE 20	3.2	58.9	69.7	79.6	86.8	90.2	94.7	96.0	96.2	97.1	97.4	97.4	97.5	97.5	97.6	97.7
GE 10	3.2	58.9	69.7	79.6	86.8	90.2	94.7	96.0	96.2	97.2	97.5	97.5	97.7	97.7	97.8	98.6

TOTAL NUMBER OF OBSERVATIONS: 222

GLOBAL CLIMATOLOGY BRANCH  
USAF/CIAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 774096 STATION NAME: MCUIRE AFB TX

PERIOD OF RECORD: 77-84  
MONTH: AUG HOURS/IST: 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 3	GE 5	GE 7	GE 9	GE 11	GE 13	GE 15	GE 17	GE 19	GE 21	GE 23	GE 25	GE 27	GE 29	GE 31
NY CEIL	2.4	35.5	35.1	40.8	44.7	46.5	48.6	49.1	49.2	49.6	49.7	49.8	49.9	49.9	49.9	50.0
GE 0000	2.4	35.1	40.8	46.7	51.4	53.3	56.0	56.8	56.9	57.3	57.5	57.6	57.7	57.7	57.7	58.0
GE 0100	2.4	35.1	40.8	46.7	51.4	53.3	56.0	56.8	56.9	57.3	57.5	57.6	57.7	57.7	57.7	58.0
GE 0200	2.4	35.1	40.8	46.7	51.4	53.3	56.0	56.8	56.9	57.3	57.5	57.6	57.7	57.7	57.7	58.0
GE 0300	2.4	35.2	40.8	46.8	51.5	53.4	56.1	56.9	57.0	57.4	57.6	57.7	57.8	57.8	58.1	58.4
GE 0400	2.4	35.2	40.8	46.9	51.8	52.8	56.6	57.2	57.3	57.7	58.0	58.1	58.2	58.2	58.2	58.4
GE 0500	2.4	38.5	44.9	51.8	58.3	61.1	63.7	64.4	64.5	64.9	65.3	65.5	65.6	65.6	65.7	65.9
GE 0600	2.4	38.6	45.1	51.9	58.1	60.2	63.9	64.5	64.6	65.1	65.4	65.6	65.7	65.7	65.8	66.0
GE 0700	2.6	43.6	47.6	55.3	62.0	64.3	68.1	68.9	69.0	69.5	69.8	70.0	70.1	70.1	70.2	70.4
GE 0800	2.6	43.6	47.7	55.0	62.5	64.7	68.6	69.4	69.5	69.9	70.2	70.4	70.5	70.5	70.6	70.9
GE 0900	2.6	43.6	48.0	55.0	62.7	64.9	68.9	69.6	69.9	70.3	70.6	70.9	71.0	71.0	71.1	71.3
GE 1000	2.6	41.3	48.8	56.7	63.5	65.6	69.7	70.9	71.0	71.4	71.7	71.9	72.0	72.0	72.2	72.4
GE 1100	2.6	41.8	49.5	56.0	65.2	67.5	71.6	72.7	72.8	73.2	73.5	73.8	73.9	73.9	74.0	74.2
GE 1200	2.6	42.4	50.1	58.7	65.9	68.6	72.6	73.8	73.9	74.4	74.7	74.9	75.1	75.1	75.2	75.4
GE 1300	2.6	43.3	51.2	59.9	67.2	70.0	74.0	75.3	75.4	75.9	76.2	76.5	76.6	76.6	76.7	76.9
GE 1400	2.7	44.4	53.5	61.0	69.7	72.9	77.0	78.6	78.7	79.0	79.6	79.8	79.9	79.9	80.0	80.2
GE 1500	2.7	45.3	54.0	62.9	71.1	74.3	79.6	80.0	80.1	80.6	81.1	81.2	81.3	81.3	81.4	81.6
GE 1600	2.7	45.5	54.2	63.2	71.6	74.9	79.4	81.1	81.2	81.7	82.0	82.3	82.4	82.4	82.5	82.7
GE 1700	2.7	45.7	54.4	63.4	71.9	75.3	79.7	81.4	81.5	82.0	82.4	82.6	82.7	82.7	82.8	83.0
GE 1800	2.7	46.9	55.7	64.3	73.4	76.8	81.4	83.1	83.2	83.6	84.1	84.3	84.4	84.4	84.5	84.7
GE 1900	2.7	46.9	55.7	64.4	73.4	76.8	81.4	83.1	83.2	83.6	84.1	84.3	84.4	84.4	84.5	84.7
GE 2000	2.7	46.9	56.0	65.5	74.1	77.6	82.3	84.1	84.2	84.7	85.1	85.3	85.4	85.4	85.5	85.7
GE 2100	2.7	47.1	56.2	65.9	74.5	78.1	82.9	84.6	84.7	85.3	85.6	85.8	85.9	85.9	86.0	86.2
GE 2200	2.7	47.1	56.2	66.1	74.8	78.4	83.1	85.1	85.2	85.6	86.2	86.5	86.7	86.7	86.8	87.0
GE 2300	2.7	47.2	56.6	66.3	75.3	78.9	83.8	85.7	85.8	86.2	86.8	87.2	87.6	87.6	87.7	88.0
GE 2400	2.7	47.2	56.6	66.3	75.5	79.6	84.4	86.4	86.9	87.6	88.1	88.3	88.5	88.5	88.6	88.8
GE 2500	2.7	47.4	57.0	67.3	76.7	80.9	85.8	88.0	88.4	89.2	89.7	89.9	90.1	90.1	90.2	90.4
GE 2600	2.7	47.5	57.0	67.7	77.1	81.9	87.0	89.8	89.9	91.1	91.6	91.8	92.0	92.0	92.2	92.4
GE 2700	2.7	47.5	57.0	67.7	77.2	82.2	87.6	90.5	90.6	91.9	92.4	93.1	93.3	93.3	93.5	94.0
GE 2800	2.7	47.5	57.0	67.7	77.7	82.4	87.7	91.1	91.3	92.6	94.4	94.8	95.3	95.3	95.8	96.9
GE 2900	2.7	47.5	57.0	67.7	77.7	82.4	87.7	91.2	91.4	92.7	94.9	95.2	95.7	95.8	96.8	98.3
GE 3000	2.7	47.5	57.0	67.7	77.7	82.4	87.7	91.2	91.4	92.7	94.9	95.2	95.7	95.8	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 951

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCQUIRE AFB TX

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS (LST): 0600-0800

CFILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	GE 1	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15
NO CLIL	1	2.9	27.7	33.0	30.9	41.6	43.4	45.2	40.0	46.5	47.1	47.5	47.5	47.6	47.8	48.1
GE 20000	1	3.1	31.8	37.6	42.2	47.8	49.9	52.2	53.1	53.5	54.4	54.9	54.9	55.1	55.3	55.5
GE 18000	1	3.2	31.9	37.7	42.3	48.0	50.0	52.2	53.2	53.7	54.5	55.1	55.1	55.2	55.4	55.6
GE 16000	1	3.2	31.9	37.7	42.3	48.0	50.0	52.2	53.2	53.7	54.5	55.1	55.1	55.2	55.4	55.6
GE 14000	1	3.2	32.0	37.8	42.4	48.1	50.1	52.3	53.3	53.8	54.6	55.2	55.2	55.3	55.5	55.7
GE 12000	1	3.2	32.4	38.3	43.0	49.1	51.3	53.9	54.5	54.7	55.8	56.3	56.3	56.5	56.7	56.9
GE 10000	1	3.4	34.5	41.3	46.8	53.7	56.6	59.0	60.3	60.9	61.9	62.5	62.5	62.7	62.9	63.1
GE 9000	1	3.4	34.9	41.7	47.2	54.1	57.1	59.6	60.9	61.4	62.4	62.7	63.0	63.2	63.4	63.7
GE 8000	1	3.4	38.7	46.3	51.8	57.1	62.5	65.4	67.0	67.5	68.6	69.2	69.2	69.7	70.0	70.2
GE 7000	1	3.4	39.1	46.5	52.5	59.8	63.1	66.0	67.6	68.2	69.2	69.9	69.9	70.3	70.6	70.9
GE 6000	1	3.4	39.4	46.7	52.8	60.1	63.4	66.5	68.1	68.6	69.7	70.3	70.3	70.8	71.1	71.3
GE 5000	1	3.5	40.2	47.7	54.1	61.4	64.7	68.0	69.6	70.1	71.4	72.0	72.0	72.5	72.8	73.0
GE 4500	1	3.7	40.9	48.7	55.5	63.5	66.5	69.9	71.6	72.3	73.5	74.2	74.2	74.6	74.9	75.1
GE 4000	1	3.7	41.4	49.4	56.2	64.1	67.6	71.2	73.1	73.8	75.2	75.8	75.8	76.2	76.7	77.0
GE 3500	1	4.0	42.5	50.5	57.4	65.3	68.8	72.4	74.4	75.1	76.5	77.1	77.1	77.6	77.8	78.3
GE 3000	1	4.1	43.1	51.7	58.7	66.9	70.6	74.2	76.6	77.4	78.8	79.6	79.6	80.1	80.4	80.9
GE 2500	1	4.1	43.5	52.4	59.9	68.2	71.9	75.6	77.8	78.7	80.1	80.9	80.9	81.4	81.7	82.2
GE 2000	1	4.2	44.1	52.9	60.6	69.1	72.8	76.6	78.8	79.7	81.1	81.9	81.8	82.4	82.7	83.1
GE 1800	1	4.2	44.1	52.9	60.6	69.1	72.8	76.6	78.8	79.7	81.1	81.9	81.8	82.4	82.7	83.1
GE 1600	1	4.2	44.2	53.5	61.5	70.2	74.1	78.0	80.6	81.5	82.9	83.7	83.7	84.2	84.5	84.9
GE 1400	1	4.2	44.3	53.9	62.3	71.1	75.3	79.2	82.2	83.1	84.6	85.7	85.7	86.3	86.8	87.1
GE 1200	1	4.2	44.3	54.2	62.6	71.5	75.7	79.8	82.7	83.5	85.2	86.3	86.3	87.0	87.3	87.7
GE 1000	1	4.2	44.3	54.2	62.7	72.2	76.6	80.9	83.8	84.6	86.2	87.5	87.5	88.2	88.6	88.9
GE 900	1	4.2	44.5	54.4	63.2	73.1	77.6	82.2	85.2	86.0	87.7	88.7	88.7	89.3	89.8	90.6
GE 800	1	4.2	44.5	54.4	63.2	73.2	77.8	82.6	85.9	86.4	88.6	89.9	89.9	90.9	91.3	91.7
GE 700	1	4.2	44.5	54.4	63.3	73.4	78.4	83.1	86.5	87.4	89.5	90.9	90.9	91.8	92.3	92.7
GE 600	1	4.2	44.6	54.7	63.7	74.0	79.2	84.3	87.7	88.8	91.0	92.9	92.9	93.9	94.7	95.1
GE 500	1	4.2	44.6	54.7	63.9	74.2	79.2	84.3	88.2	89.5	92.4	94.6	94.6	95.6	96.1	96.8
GE 400	1	4.2	44.6	54.7	63.9	74.2	79.2	84.3	88.2	89.5	92.4	94.6	94.6	95.6	96.1	96.8
GE 300	1	4.2	44.6	54.7	63.9	74.2	79.2	84.3	88.2	89.5	92.4	94.6	94.6	95.6	96.1	96.8
GE 200	1	4.2	44.6	54.7	63.9	74.2	79.2	84.3	88.2	89.5	92.4	94.6	94.6	95.6	96.1	96.8
GE 100	1	4.2	44.6	54.7	63.9	74.2	79.2	84.3	88.2	89.5	92.4	94.6	94.6	95.6	96.1	96.8
GE 0	1	4.2	44.6	54.7	63.9	74.2	79.2	84.3	88.2	89.5	92.4	94.6	94.6	95.6	96.1	96.8

TOTAL NUMBER OF OBSERVATIONS: 730

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(EST): 0900-1100

[illegible]

TOTAL NUMBER OF OBSERVATIONS: 250

GLOBAL CLIMATOLOGY FRANCE  
CORRECTION  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74050 STATION NAME: MCQUIRT AFB NJ

PERIOD OF RECORD: 77-86

MONTH: AUG HOURS(IST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 1/2	GE 3/4	GE 1	GE 1 1/2	GE 2	GE 2 1/2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11
0-100	5.1	37.3	41.3	43.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
101-200	5.7	42.9	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
201-300	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
301-400	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
401-500	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
501-600	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
601-700	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
701-800	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
801-900	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
901-1000	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
1001-1200	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
1201-1400	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
1401-1600	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
1601-1800	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
1801-2000	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
2001-2200	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
2201-2400	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
2401-2600	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
2601-2800	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
2801-3000	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
3001-3200	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
3201-3400	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
3401-3600	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
3601-3800	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
3801-4000	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
4001-4200	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
4201-4400	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
4401-4600	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
4601-4800	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
4801-5000	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
5001-5200	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
5201-5400	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
5401-5600	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
5601-5800	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
5801-6000	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
6001-6200	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
6201-6400	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
6401-6600	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
6601-6800	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
6801-7000	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
7001-7200	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
7201-7400	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
7401-7600	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
7601-7800	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
7801-8000	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
8001-8200	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
8201-8400	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
8401-8600	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
8601-8800	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
8801-9000	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
9001-9200	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
9201-9400	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
9401-9600	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
9601-9800	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
9801-10000	5.7	44.0	57.6	54.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 704096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
 MONTH: AUG POLRS(LST): 1500-1700

CEILING FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 1 1/4	GE 1	GE 7/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	5.9	37.8	41.9	43.7	45.7	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 20000	7.2	47.7	53.9	56.0	58.9	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 18000	7.2	47.7	53.9	56.0	58.9	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 16000	7.2	47.7	53.9	56.0	58.9	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 14000	7.2	47.7	53.9	56.0	58.9	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 12000	7.2	47.7	53.9	56.0	58.9	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 10000	7.4	52.5	59.9	62.6	65.5	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 9000	7.4	52.5	59.9	62.6	65.5	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 8000	7.4	52.5	59.9	62.6	65.5	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 7000	7.6	56.2	64.1	68.1	71.4	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 6000	8.0	56.7	64.7	69.3	72.4	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 5000	8.3	56.2	66.5	70.9	74.2	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 4000	8.4	58.9	67.5	72.4	75.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 3500	8.5	61.1	69.9	74.9	79.3	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 3000	8.9	63.8	73.0	78.5	83.2	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 2500	9.1	66.8	77.4	83.8	89.1	90.4	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 2000	9.1	67.7	78.9	85.6	91.3	92.6	93.1	93.2	93.2	93.3	93.3	93.4	93.4	93.4	93.4	93.5	93.5
GE 1800	9.1	68.4	80.1	87.3	93.3	94.6	95.0	95.3	95.3	95.4	95.4	95.6	95.6	95.6	95.6	95.7	95.7
GE 1600	9.1	68.4	80.1	87.3	93.3	94.6	95.0	95.3	95.3	95.4	95.4	95.6	95.6	95.6	95.6	95.7	95.7
GE 1400	9.1	68.4	80.1	87.3	93.3	94.6	95.0	95.3	95.3	95.4	95.4	95.6	95.6	95.6	95.6	95.7	95.7
GE 1200	9.1	68.4	80.1	87.3	93.3	94.6	95.0	95.3	95.3	95.4	95.4	95.6	95.6	95.6	95.6	95.7	95.7
GE 1000	9.1	68.4	80.1	87.3	93.3	94.6	95.0	95.3	95.3	95.4	95.4	95.6	95.6	95.6	95.6	95.7	95.7
GE 900	9.1	68.4	80.1	87.3	93.3	94.6	95.0	95.3	95.3	95.4	95.4	95.6	95.6	95.6	95.6	95.7	95.7
GE 800	9.1	68.4	80.1	87.3	93.3	94.6	95.0	95.3	95.3	95.4	95.4	95.6	95.6	95.6	95.6	95.7	95.7
GE 700	9.1	68.4	80.1	87.3	93.3	94.6	95.0	95.3	95.3	95.4	95.4	95.6	95.6	95.6	95.6	95.7	95.7
GE 600	9.1	68.4	80.1	87.3	93.3	94.6	95.0	95.3	95.3	95.4	95.4	95.6	95.6	95.6	95.6	95.7	95.7
GE 500	9.1	68.4	80.1	87.3	93.3	94.6	95.0	95.3	95.3	95.4	95.4	95.6	95.6	95.6	95.6	95.7	95.7
GE 400	9.1	68.4	80.1	87.3	93.3	94.6	95.0	95.3	95.3	95.4	95.4	95.6	95.6	95.6	95.6	95.7	95.7
GE 300	9.1	68.4	80.1	87.3	93.3	94.6	95.0	95.3	95.3	95.4	95.4	95.6	95.6	95.6	95.6	95.7	95.7
GE 200	9.1	68.4	80.1	87.3	93.3	94.6	95.0	95.3	95.3	95.4	95.4	95.6	95.6	95.6	95.6	95.7	95.7
GE 100	9.1	68.4	80.1	87.3	93.3	94.6	95.0	95.3	95.3	95.4	95.4	95.6	95.6	95.6	95.6	95.7	95.7
GE 0	9.1	68.4	80.1	87.3	93.3	94.6	95.0	95.3	95.3	95.4	95.4	95.6	95.6	95.6	95.6	95.7	95.7

TOTAL NUMBER OF OBSERVATIONS: 936

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURPY OBSERVATIONS

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): 1800-2300

CEILING			VISIBILITY IN STATUTE MILES															
IN FEET	1	GL 10	GE 6	GE 5	GE 4	GL 3	GE 2 1/2	GL 2	GE 1 1/2	GL 1 1/4	GE 1	GL 3/4	GE 5/8	GL 1/2	GE 5/16	GE 1/4	GE 0	
NOMINAL CEILING	1	5.0	40.9	45.8	48.6	51.5	52.0	52.2	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	
GE 30000	6.8	49.6	56.7	60.4	63.5	64.4	64.7	64.9	64.9	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	
GE 18000	6.8	49.6	56.7	60.4	63.5	64.4	64.7	64.9	64.9	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	
GE 16000	6.8	49.6	56.7	60.4	63.5	64.4	64.7	64.9	64.9	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	
GE 14000	6.8	49.6	56.7	60.4	63.5	64.4	64.7	64.9	64.9	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	
GE 12000	6.8	49.6	56.7	60.4	63.5	64.4	64.7	64.9	64.9	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	
GE 10000	6.8	49.6	56.7	60.4	63.5	64.4	64.7	64.9	64.9	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	
GE 9000	7.3	55.1	63.9	68.2	71.6	72.5	72.9	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	
GE 8000	7.3	55.1	63.9	68.2	71.6	72.5	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	
GE 7000	7.3	55.1	63.9	68.2	71.6	72.5	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	
GE 6000	7.3	55.1	63.9	68.2	71.6	72.5	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	
GE 5000	7.3	55.1	63.9	68.2	71.6	72.5	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	
GE 4000	7.3	55.1	63.9	68.2	71.6	72.5	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	
GE 3000	7.3	55.1	63.9	68.2	71.6	72.5	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	
GE 2000	7.3	55.1	63.9	68.2	71.6	72.5	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	
GE 1000	7.3	55.1	63.9	68.2	71.6	72.5	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	
GE 500	7.3	55.1	63.9	68.2	71.6	72.5	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	
GE 200	7.3	55.1	63.9	68.2	71.6	72.5	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	
GE 100	7.3	55.1	63.9	68.2	71.6	72.5	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	
GE 50	7.3	55.1	63.9	68.2	71.6	72.5	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	
GE 20	7.3	55.1	63.9	68.2	71.6	72.5	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	
GE 10	7.3	55.1	63.9	68.2	71.6	72.5	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	
GE 5	7.3	55.1	63.9	68.2	71.6	72.5	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	
GE 0	7.3	55.1	63.9	68.2	71.6	72.5	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	

TOTAL NUMBER OF OBSERVATIONS: 956

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704096 STATION NAME: MCGUIFF AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 7/16	GE 1/4	GE 0
NO CEIL	4.7	43.2	49.5	53.2	55.2	55.9	55.9	55.9	55.9	56.0	56.2	56.2	56.2	56.2	56.2	56.2
GE 20000	4.9	49.4	57.4	62.6	64.4	66.2	66.3	66.3	66.3	66.5	66.7	66.7	66.7	66.7	66.7	66.7
GE 18000	4.9	49.4	57.4	62.6	64.4	66.2	66.3	66.3	66.3	66.5	66.7	66.7	66.7	66.7	66.7	66.7
GE 16000	4.9	49.4	57.4	62.6	64.4	66.2	66.3	66.3	66.3	66.5	66.7	66.7	66.7	66.7	66.7	66.7
GE 14000	4.9	49.6	57.6	62.6	65.2	66.5	66.6	66.6	66.6	66.7	66.9	66.9	66.9	66.9	66.9	66.9
GE 12000	4.9	52.4	58.5	63.6	66.1	67.4	67.5	67.5	67.5	67.6	67.8	67.8	67.8	67.8	67.8	67.8
GE 10000	5.2	54.7	62.3	69.2	72.3	73.7	73.8	73.8	73.8	73.9	74.1	74.1	74.1	74.1	74.1	74.1
GE 9000	5.2	54.9	62.5	69.5	72.5	73.9	74.0	74.0	74.0	74.1	74.3	74.3	74.3	74.3	74.3	74.3
GE 8000	5.2	56.7	66.1	72.0	76.7	78.1	78.4	78.4	78.4	78.5	78.7	78.7	78.7	78.7	78.7	78.7
GE 7000	5.2	57.2	66.7	73.5	77.3	78.7	79.0	79.0	79.0	79.1	79.4	79.4	79.4	79.4	79.4	79.4
GE 6000	5.2	57.5	67.0	74.0	77.6	79.2	79.7	79.7	79.7	79.8	80.0	80.0	80.0	80.0	80.0	80.0
GE 5000	5.2	58.4	68.0	75.2	79.1	80.5	81.1	81.1	81.1	81.2	81.4	81.4	81.4	81.4	81.4	81.4
GE 4000	5.2	59.1	68.9	76.2	80.2	81.6	82.3	82.3	82.3	82.4	82.6	82.6	82.6	82.6	82.6	82.6
GE 3000	5.2	61.3	71.2	79.1	83.4	84.9	85.6	85.6	85.6	85.7	85.9	85.9	85.9	85.9	85.9	85.9
GE 2000	5.2	62.0	72.4	80.8	85.3	86.8	87.4	87.4	87.4	87.5	87.7	87.7	87.7	87.7	87.7	87.7
GE 1000	5.2	62.7	72.3	82.3	87.5	89.0	89.8	89.8	89.8	89.9	90.1	90.1	90.1	90.1	90.1	90.1
GE 500	5.2	62.9	73.7	82.6	87.9	89.4	90.5	90.6	90.6	90.8	91.0	91.0	91.0	91.0	91.0	91.0
GE 200	5.2	63.1	73.9	82.6	88.2	89.7	91.0	91.1	91.1	91.2	91.4	91.4	91.4	91.4	91.4	91.4
GE 100	5.2	63.1	73.9	82.8	88.2	89.7	91.0	91.1	91.1	91.2	91.4	91.4	91.4	91.4	91.4	91.4
GE 50	5.2	63.1	74.0	83.0	88.5	90.0	91.5	91.6	91.6	91.7	91.9	91.9	91.9	91.9	91.9	91.9
GE 20	5.2	63.2	74.1	83.2	89.7	90.3	91.8	91.9	91.9	92.0	92.3	92.3	92.3	92.3	92.3	92.3
GE 10	5.2	63.5	74.7	84.0	89.5	91.1	92.7	92.8	92.8	92.9	93.1	93.1	93.1	93.1	93.1	93.1
GE 5	5.2	63.5	75.1	84.5	90.1	91.8	93.4	93.5	93.5	93.7	93.9	93.9	93.9	93.9	93.9	93.9
GE 2	5.2	64.2	75.5	84.9	90.6	92.6	94.3	94.4	94.4	94.5	95.1	95.1	95.1	95.1	95.1	95.1
GE 1	5.2	64.3	75.6	85.3	91.4	93.3	95.1	95.2	95.2	95.6	95.8	95.8	95.8	95.8	95.8	95.8
GE 0	5.2	64.4	75.9	85.4	91.5	93.4	95.5	95.6	95.6	96.0	96.2	96.2	96.2	96.3	96.3	96.3
GE 0.5	5.2	64.5	76.2	85.9	92.3	94.3	96.5	96.7	96.7	97.1	97.3	97.3	97.3	97.4	97.4	97.4
GE 0.2	5.2	64.7	76.5	86.1	92.6	94.7	97.3	97.7	97.7	98.2	98.4	98.4	98.4	98.6	98.6	98.6
GE 0.1	5.2	64.7	76.5	86.1	92.6	94.7	97.4	97.8	98.1	98.5	98.7	98.7	98.7	98.9	98.9	98.9
GE 0.05	5.2	64.7	76.5	86.1	92.7	94.9	97.8	98.6	98.6	99.0	99.4	99.4	99.5	99.7	99.8	99.8
GE 0.02	5.2	64.7	76.5	86.1	92.7	94.9	97.8	98.6	98.6	99.0	99.4	99.4	99.5	99.7	99.9	99.9
GE 0.01	5.2	64.7	76.5	86.1	92.7	94.9	97.8	98.6	98.6	99.0	99.4	99.4	99.5	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 230

PERCENTAGE FREQUENCY OF OCCURRENCE OF CILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(EST): ALL

[illegible]

TOTAL NUMBER OF OBSERVATIONS: 7440

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(EST): 0000-0200

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 770090 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 77-86

MONTH: SEP

HOURS(IST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	1	GE 1	GE 3	GE 5	GE 7	GE 10	GE 15	GE 20	GE 25	GE 30	GE 40	GE 50	GE 60	GE 70	GE 80	GE 90	GE 100	0
NO CEIL	6.7	42.0	46.0	51.4	54.9	55.7	56.8	57.4	57.6	58.0	58.1	58.1	58.3	58.3	58.3	58.4		
CE 20000	6.0	43.6	49.0	54.0	57.7	58.7	59.8	60.8	60.9	61.3	61.4	61.7	61.9	61.9	62.0	62.1		
CE 18000	6.0	43.6	49.0	54.0	57.7	58.7	59.8	60.8	60.9	61.3	61.4	61.7	61.9	61.9	62.0	62.1		
CE 16000	6.0	43.6	49.0	54.0	57.7	58.7	59.8	60.8	60.9	61.3	61.4	61.7	61.9	61.9	62.0	62.1		
CE 14000	6.0	43.6	49.0	54.0	57.7	58.7	59.8	60.8	60.9	61.3	61.4	61.7	61.9	61.9	62.0	62.1		
CE 12000	6.0	43.7	49.1	54.2	58.0	59.0	60.1	61.2	61.3	61.6	61.9	62.1	62.3	62.3	62.4	62.6		
CE 10000	6.0	46.1	51.7	57.1	61.4	62.4	63.6	64.7	64.8	65.2	65.2	65.6	65.6	65.6	65.8	65.9	66.0	
CE 9000	6.0	46.1	51.7	57.1	61.4	62.4	63.6	64.7	64.8	65.2	65.2	65.6	65.6	65.6	65.8	65.9	66.0	
CE 8000	6.1	46.3	54.8	60.3	64.7	65.7	66.8	67.9	68.0	68.6	68.7	68.9	69.1	69.1	69.2	69.3		
CE 7000	6.1	48.9	55.3	61.9	65.2	66.2	67.3	68.4	68.6	69.1	69.2	69.4	69.7	69.7	69.8	69.9		
CE 6000	6.1	49.0	55.4	62.0	65.3	66.3	67.4	68.6	68.7	69.2	69.3	69.6	69.8	69.8	69.9	70.0		
CE 5000	6.2	50.9	57.3	63.0	67.3	68.3	69.4	70.6	70.7	71.2	71.7	71.6	71.8	71.8	71.9	72.0		
CE 4500	6.2	53.1	59.7	65.8	70.1	71.1	72.2	73.3	73.4	74.0	74.1	74.3	74.6	74.6	74.7	74.8		
CE 4000	6.2	53.9	61.2	67.2	71.6	72.6	73.7	74.8	74.9	75.4	75.6	75.8	76.0	76.0	76.1	76.2		
CE 3500	6.3	55.9	63.3	69.3	73.7	74.7	75.8	77.0	77.1	77.6	77.9	78.1	78.3	78.3	78.4	78.6		
CE 3000	6.3	56.8	64.4	70.6	74.9	75.9	77.0	78.2	78.3	79.1	79.2	79.4	79.7	79.7	79.8	79.9		
CE 2500	6.3	57.8	65.4	71.6	75.9	77.9	79.0	80.2	80.3	81.1	81.2	81.4	81.7	81.7	81.8	81.9		
CE 2000	6.3	58.7	66.9	72.8	77.1	79.7	80.8	82.0	82.1	82.9	83.0	83.2	83.4	83.4	83.6	83.7		
CE 1800	6.3	58.9	67.2	74.0	78.3	80.0	81.1	82.3	82.4	83.1	83.2	83.4	83.6	83.6	83.9	84.0		
CE 1600	6.3	59.6	67.9	74.9	79.2	81.2	82.4	83.8	83.9	84.7	84.8	85.0	85.2	85.2	85.3	85.4		
CE 1400	6.3	59.7	68.1	75.2	80.7	81.7	82.9	84.2	84.3	85.2	85.3	85.6	85.8	85.8	85.9	86.0		
CE 1200	6.4	59.7	68.2	75.4	81.1	82.2	83.8	85.2	85.3	86.2	86.3	86.6	86.8	86.8	86.9	87.0		
CE 1000	6.4	59.7	68.2	75.4	81.1	82.2	83.8	85.2	85.3	86.2	86.3	86.6	86.8	86.8	86.9	87.0		
CE 900	6.4	59.7	68.2	75.4	81.1	82.2	83.8	85.2	85.3	86.2	86.3	86.6	86.8	86.8	86.9	87.0		
CE 800	6.4	59.7	68.2	75.4	81.1	82.2	83.8	85.2	85.3	86.2	86.3	86.6	86.8	86.8	86.9	87.0		
CE 700	6.4	59.7	68.2	75.4	81.1	82.2	83.8	85.2	85.3	86.2	86.3	86.6	86.8	86.8	86.9	87.0		
CE 600	6.4	59.7	68.2	75.4	81.1	82.2	83.8	85.2	85.3	86.2	86.3	86.6	86.8	86.8	86.9	87.0		
CE 500	6.4	59.7	68.2	75.4	81.1	82.2	83.8	85.2	85.3	86.2	86.3	86.6	86.8	86.8	86.9	87.0		
CE 400	6.4	59.7	68.2	75.4	81.1	82.2	83.8	85.2	85.3	86.2	86.3	86.6	86.8	86.8	86.9	87.0		
CE 300	6.4	59.7	68.2	75.4	81.1	82.2	83.8	85.2	85.3	86.2	86.3	86.6	86.8	86.8	86.9	87.0		
CE 200	6.4	59.7	68.2	75.4	81.1	82.2	83.8	85.2	85.3	86.2	86.3	86.6	86.8	86.8	86.9	87.0		
CE 100	6.4	59.7	68.2	75.4	81.1	82.2	83.8	85.2	85.3	86.2	86.3	86.6	86.8	86.8	86.9	87.0		
CE	6.7	51.0	60.4	76.1	86.1	84.0	90.2	92.7	92.9	95.2	95.2	96.2	97.7	97.8	98.2	100.0		

TOTAL NUMBER OF OBSERVATIONS: 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 77-86  
MONTH: SEP FOLIOLEST: 0600-0800

CITY	VISIBILITY IN STATUTE MILES																	
	1/8	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4
	FEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
6000000	1	600	740.2	370.7	410.0	440.6	450.4	470.0	480.7	480.4	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0
6100000	70.1	770.8	410.0	450.3	490.7	500.9	520.4	540.7	540.8	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.0
6200000	70.1	770.9	410.7	450.4	490.8	500.0	520.9	540.4	540.7	560.1	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.1
6300000	70.1	770.9	410.7	450.4	490.8	500.0	520.9	540.4	540.7	560.1	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.1
6400000	70.1	770.9	410.7	450.4	490.8	500.0	520.9	540.4	540.7	560.1	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.1
6500000	70.1	770.9	410.7	450.4	490.8	500.0	520.9	540.4	540.7	560.1	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.1
6600000	70.1	770.9	410.7	450.4	490.8	500.0	520.9	540.4	540.7	560.1	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.1
6700000	70.1	770.9	410.7	450.4	490.8	500.0	520.9	540.4	540.7	560.1	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.1
6800000	70.1	770.9	410.7	450.4	490.8	500.0	520.9	540.4	540.7	560.1	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.1
6900000	70.1	770.9	410.7	450.4	490.8	500.0	520.9	540.4	540.7	560.1	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.1
7000000	70.1	770.9	410.7	450.4	490.8	500.0	520.9	540.4	540.7	560.1	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.1
7100000	70.1	770.9	410.7	450.4	490.8	500.0	520.9	540.4	540.7	560.1	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.1
7200000	70.1	770.9	410.7	450.4	490.8	500.0	520.9	540.4	540.7	560.1	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.1
7300000	70.1	770.9	410.7	450.4	490.8	500.0	520.9	540.4	540.7	560.1	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.1
7400000	70.1	770.9	410.7	450.4	490.8	500.0	520.9	540.4	540.7	560.1	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.1
7500000	70.1	770.9	410.7	450.4	490.8	500.0	520.9	540.4	540.7	560.1	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.1
7600000	70.1	770.9	410.7	450.4	490.8	500.0	520.9	540.4	540.7	560.1	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.1
7700000	70.1	770.9	410.7	450.4	490.8	500.0	520.9	540.4	540.7	560.1	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.1
7800000	70.1	770.9	410.7	450.4	490.8	500.0	520.9	540.4	540.7	560.1	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.1
7900000	70.1	770.9	410.7	450.4	490.8	500.0	520.9	540.4	540.7	560.1	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.1
8000000	70.1	770.9	410.7	450.4	490.8	500.0	520.9	540.4	540.7	560.1	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.1
8100000	70.1	770.9	410.7	450.4	490.8	500.0	520.9	540.4	540.7	560.1	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.1
8200000	70.1	770.9	410.7	450.4	490.8	500.0	520.9	540.4	540.7	560.1	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.1
8300000	70.1	770.9	410.7	450.4	490.8	500.0	520.9	540.4	540.7	560.1	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.1
8400000	70.1	770.9	410.7	450.4	490.8	500.0	520.9	540.4	540.7	560.1	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.1
8500000	70.1	770.9	410.7	450.4	490.8	500.0	520.9	540.4	540.7	560.1	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.1
8600000	70.1	770.9	410.7	450.4	490.8	500.0	520.9	540.4	540.7	560.1	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.1
8700000	70.1	770.9	410.7	450.4	490.8	500.0	520.9	540.4	540.7	560.1	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.1
8800000	70.1	770.9	410.7	450.4	490.8	500.0	520.9	540.4	540.7	560.1	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.1
8900000	70.1	770.9	410.7	450.4	490.8	500.0	520.9	540.4	540.7	560.1	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.1
9000000	70.1	770.9	410.7	450.4	490.8	500.0	520.9	540.4	540.7	560.1	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.1
9100000	70.1	770.9	410.7	450.4	490.8	500.0	520.9	540.4	540.7	560.1	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.1
9200000	70.1	770.9	410.7	450.4	490.8	500.0	520.9	540.4	540.7	560.1	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.1
9300000	70.1	770.9	410.7	450.4	490.8	500.0	520.9	540.4	540.7	560.1	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.1
9400000	70.1	770.9	410.7	450.4	490.8	500.0	520.9	540.4	540.7	560.1	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.1
9500000	70.1	770.9	410.7	450.4	490.8	500.0	520.9	540.4	540.7	560.1	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.1
9600000	70.1	770.9	410.7	450.4	490.8	500.0	520.9	540.4	540.7	560.1	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.1
9700000	70.1	770.9	410.7	450.4	490.8	500.0	520.9	540.4	540.7	560.1	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.1
9800000	70.1	770.9	410.7	450.4	490.8	500.0	520.9	540.4	540.7	560.1	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.1
9900000	70.1	770.9	410.7	450.4	490.8	500.0	520.9	540.4	540.7	560.1	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.1
10000000	70.1	770.9	410.7	450.4	490.8	500.0	520.9	540.4	540.7	560.1	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.1

TOTAL NUMBER OF OBSERVATIONS: 2,000

PERCENTAGE IN QUENCY OF OCCURRENCE OF OFFING PERIOD VARIABILITY  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 77-86  
 MONTH: SEP      FOURTH QUARTER: 0900-1100

TOTAL NUMBER OF OBSERVATIONS: 2,000

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

PERIOD OF RECORD: 77-86

MONTH: SEP      HOURS(EST): 1200-1400

[illegible]

TABLE 1. *Summary of the results of the study.*

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 77-84  
MONTH: SEP HOURS(LST): 1500-1700

ELEVATION IN FEET	VISIBILITY IN STATUTE MILES																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
0.0 0.0 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.1 0.1 0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
0.2 0.2 0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
0.3 0.3 0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
0.4 0.4 0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
0.5 0.5 0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
0.6 0.6 0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
0.7 0.7 0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
0.8 0.8 0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
0.9 0.9 0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
1.0 1.0 1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1.1 1.1 1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
1.2 1.2 1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
1.3 1.3 1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
1.4 1.4 1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
1.5 1.5 1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.6 1.6 1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
1.7 1.7 1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
1.8 1.8 1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
1.9 1.9 1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.0 2.0 2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.1 2.1 2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.2 2.2 2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.3 2.3 2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
2.4 2.4 2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5 2.5 2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.6 2.6 2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
2.7 2.7 2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.8 2.8 2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
2.9 2.9 2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
3.0 3.0 3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
3.1 3.1 3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
3.2 3.2 3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
3.3 3.3 3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
3.4 3.4 3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
3.5 3.5 3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
3.6 3.6 3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
3.7 3.7 3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
3.8 3.8 3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
3.9 3.9 3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
4.0 4.0 4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
4.1 4.1 4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
4.2 4.2 4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
4.3 4.3 4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
4.4 4.4 4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
4.5 4.5 4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
4.6 4.6 4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
4.7 4.7 4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
4.8 4.8 4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
4.9 4.9 4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
5.0 5.0 5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
5.1 5.1 5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
5.2 5.2 5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
5.3 5.3 5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
5.4 5.4 5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
5.5 5.5 5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
5.6 5.6 5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
5.7 5.7 5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
5.8 5.8 5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
5.9 5.9 5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
6.0 6.0 6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
6.1 6.1 6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
6.2 6.2 6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
6.3 6.3 6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
6.4 6.4 6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
6.5 6.5 6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
6.6 6.6 6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
6.7 6.7 6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
6.8 6.8 6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
6.9 6.9 6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
7.0 7.0 7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
7.1 7.1 7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
7.2 7.2 7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
7.3 7.3 7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3				

TOTAL NUMBER OF OBSERVATIONS: 20

CLIMATE CLIMATOLOGY BRANCH  
CAPITAL  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 724095 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 1800-2000

CEILING		VISIBILITY IN STATUTE MILES																
FEET	1	GE	GF	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	1	10	5	4	3	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	1/8	1/16	1/32	1/64
NO CEIL	1	8.5	44.1	57.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
CE 2000	1	9.8	53.9	67.2	65.2	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
CE 1800	1	9.8	53.9	67.2	65.2	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
CE 1600	1	9.8	54.0	67.3	65.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
CE 1400	1	9.8	54.1	67.4	65.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
CE 1200	1	10.0	55.1	68.4	66.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
CE 1000	1	10.7	59.8	72.6	70.1	71.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
CE 900	1	10.7	60.1	72.9	70.4	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
CE 800	1	10.9	62.4	74.6	72.3	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
CE 700	1	10.9	62.9	75.2	74.1	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
CE 600	1	10.9	63.2	75.6	74.4	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
CE 500	1	10.9	64.1	76.6	75.4	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
CE 400	1	10.9	65.0	77.4	77.3	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
CE 300	1	11.2	67.7	79.4	80.7	81.7	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
CE 200	1	11.3	69.3	81.4	82.8	84.6	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
CE 100	1	11.3	71.9	81.7	83.3	86.4	86.6	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
CE 0	1	11.4	73.1	82.9	87.6	89.8	89.9	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
CE 100	1	11.4	74.6	84.8	88.7	91.1	91.3	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
CE 200	1	11.4	74.6	84.8	88.7	91.1	91.3	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
CE 300	1	11.4	74.6	84.8	88.7	91.1	91.3	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
CE 400	1	11.4	74.6	84.8	88.7	91.1	91.3	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
CE 500	1	11.4	74.6	84.8	88.7	91.1	91.3	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
CE 600	1	11.4	74.6	84.8	88.7	91.1	91.3	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
CE 700	1	11.4	74.6	84.8	88.7	91.1	91.3	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
CE 800	1	11.4	74.6	84.8	88.7	91.1	91.3	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
CE 900	1	11.4	74.6	84.8	88.7	91.1	91.3	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
CE 1000	1	11.4	74.6	84.8	88.7	91.1	91.3	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
CE 1100	1	11.4	74.6	84.8	88.7	91.1	91.3	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
CE 1200	1	11.4	74.6	84.8	88.7	91.1	91.3	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
CE 1300	1	11.4	74.6	84.8	88.7	91.1	91.3	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
CE 1400	1	11.4	74.6	84.8	88.7	91.1	91.3	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
CE 1500	1	11.4	74.6	84.8	88.7	91.1	91.3	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
CE 1600	1	11.4	74.6	84.8	88.7	91.1	91.3	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
CE 1700	1	11.4	74.6	84.8	88.7	91.1	91.3	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
CE 1800	1	11.4	74.6	84.8	88.7	91.1	91.3	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
CE 1900	1	11.4	74.6	84.8	88.7	91.1	91.3	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
CE 2000	1	11.4	74.6	84.8	88.7	91.1	91.3	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1

TOTAL NUMBER OF OBSERVATIONS: 200

PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

PERIOD OF RECOPI: 77-86  
MONTH: SEP HOURS(EST): 2100-2300

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET		GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	1	7.3	44.9	54.3	56.8	58.0	58.2	58.6	59.9	59.9	59.1	59.1	59.1	59.2	59.2	59.2	59.2
GE 20000	8.0	54.3	51.3	64.3	65.6	65.8	66.3	66.4	66.6	66.7	66.7	66.7	66.7	66.8	66.8	66.8	66.8
GE 18000	8.0	54.6	51.6	64.7	65.9	66.1	66.7	66.8	66.9	67.0	67.0	67.0	67.0	67.1	67.1	67.1	67.1
GE 16000	8.0	54.6	61.6	64.7	65.7	66.1	66.7	66.8	66.9	67.0	67.0	67.0	67.0	67.1	67.1	67.1	67.1
GE 14000	8.0	54.6	51.6	64.7	65.9	66.1	66.7	66.8	66.9	67.0	67.0	67.0	67.0	67.1	67.1	67.1	67.1
GE 12000	8.0	55.1	62.1	65.2	66.4	66.7	67.2	67.3	67.4	67.6	67.6	67.6	67.6	67.7	67.7	67.7	67.7
GE 10000	8.0	59.1	67.3	73.4	71.9	72.1	72.7	72.8	72.9	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.1
GE 9000	8.0	59.1	57.3	70.4	71.9	72.1	72.7	72.8	72.9	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.1
GE 8000	8.0	61.0	69.4	73.0	74.6	74.6	75.3	75.4	75.6	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8
GE 7000	8.1	61.4	70.0	73.6	75.1	75.3	75.9	76.0	76.1	76.2	76.2	76.2	76.2	76.3	76.3	76.3	76.3
GE 6000	8.1	62.1	71.7	74.2	75.8	76.0	76.6	76.7	76.7	76.8	76.9	76.9	76.9	77.0	77.0	77.0	77.0
GE 5000	8.3	63.7	72.2	75.8	77.3	77.7	78.0	78.3	78.4	78.6	78.6	78.6	78.6	78.7	78.7	78.7	78.7
GE 4000	8.3	64.9	73.4	77.4	79.1	79.4	80.1	80.2	80.3	80.4	80.4	80.4	80.4	80.6	80.6	80.6	80.6
GE 3000	8.7	66.0	75.2	79.7	82.4	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.2	83.2	83.2	83.2
GE 2000	8.7	67.2	76.7	80.4	82.4	83.0	83.7	83.8	83.9	84.0	84.0	84.0	84.0	84.1	84.1	84.1	84.1
GE 1000	8.7	68.7	78.7	82.8	85.2	85.9	86.7	86.8	86.9	87.0	87.0	87.0	87.0	87.1	87.1	87.1	87.1
GE 2500	8.7	69.9	79.9	84.0	86.8	87.6	88.3	88.4	88.6	88.7	88.7	88.7	88.7	88.8	88.8	88.8	88.8
GE 2000	8.7	70.6	80.6	84.9	88.0	88.8	89.6	89.7	89.8	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.0
GE 1500	8.7	70.6	80.6	84.9	88.0	88.8	89.6	89.7	89.8	90.1	90.1	90.1	90.1	90.2	90.2	90.2	90.2
GE 1000	8.8	71.1	81.4	85.7	89.2	90.2	91.0	91.2	91.3	91.6	91.6	91.6	91.6	91.7	91.7	91.7	91.7
GE 500	8.8	71.4	81.9	86.2	89.6	90.9	91.7	91.9	92.1	92.2	92.2	92.2	92.2	92.3	92.3	92.3	92.3
GE 1000	8.8	71.8	82.3	86.9	90.7	91.6	92.6	93.0	93.1	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4
GE 2000	8.8	71.8	82.3	86.9	90.7	91.6	92.6	93.0	93.1	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4
GE 3000	8.8	71.8	82.3	86.9	90.7	91.6	92.6	93.0	93.1	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4
GE 4000	8.8	71.8	82.3	86.9	90.7	91.6	92.6	93.0	93.1	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4
GE 5000	8.8	71.8	82.3	86.9	90.7	91.6	92.6	93.0	93.1	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4
GE 6000	8.8	71.8	82.3	86.9	90.7	91.6	92.6	93.0	93.1	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4
GE 7000	8.8	71.8	82.3	86.9	90.7	91.6	92.6	93.0	93.1	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4
GE 8000	8.8	71.8	82.3	86.9	90.7	91.6	92.6	93.0	93.1	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4
GE 9000	8.8	71.8	82.3	86.9	90.7	91.6	92.6	93.0	93.1	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4
GE 10000	8.8	71.8	82.3	86.9	90.7	91.6	92.6	93.0	93.1	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4
GE 11000	8.8	71.8	82.3	86.9	90.7	91.6	92.6	93.0	93.1	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4
GE 12000	8.8	71.8	82.3	86.9	90.7	91.6	92.6	93.0	93.1	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4
GE 13000	8.8	71.8	82.3	86.9	90.7	91.6	92.6	93.0	93.1	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4
GE 14000	8.8	71.8	82.3	86.9	90.7	91.6	92.6	93.0	93.1	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4
GE 15000	8.8	71.8	82.3	86.9	90.7	91.6	92.6	93.0	93.1	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4
GE 16000	8.8	71.8	82.3	86.9	90.7	91.6	92.6	93.0	93.1	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4
GE 17000	8.8	71.8	82.3	86.9	90.7	91.6	92.6	93.0	93.1	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4
GE 18000	8.8	71.8	82.3	86.9	90.7	91.6	92.6	93.0	93.1	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4
GE 19000	8.8	71.8	82.3	86.9	90.7	91.6	92.6	93.0	93.1	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4
GE 20000	8.8	71.8	82.3	86.9	90.7	91.6	92.6	93.0	93.1	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4

TOTAL NUMBER OF OBSERVATIONS: 243

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): ALL

STATION	VISIBILITY IN STATUTE MILES																
	GE 1/2	GE 1	GE 1 1/2	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15
00 0000	7.5	42.9	47.7	53.5	57.3	52.8	53.3	53.6	53.7	53.9	54.1	54.1	54.2	54.2	54.2	54.2	54.2
01 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
02 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
03 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
04 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
05 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
06 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
07 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
08 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
09 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
10 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
11 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
12 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
13 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
14 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
15 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
16 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
17 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
18 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
19 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
20 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
21 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
22 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
23 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
24 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
25 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
26 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
27 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
28 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
29 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
30 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
31 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
32 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
33 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
34 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
35 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
36 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
37 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
38 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
39 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
40 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
41 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
42 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
43 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
44 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
45 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
46 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
47 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
48 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
49 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
50 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
51 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
52 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
53 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
54 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
55 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
56 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
57 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
58 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
59 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
60 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
61 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
62 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
63 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
64 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
65 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
66 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
67 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
68 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
69 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
70 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
71 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3	60.4	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0
72 0000	8.6	48.1	53.6	58.8	58.8	59.3	59.9	59.3									

TOTAL NUMBER OF OBSERVATIONS: 1213

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 0000-0200

CEILING	IN FEET	VISIBILITY IN STATUTE MILES															
		GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
99 0111	7.7	47.8	50.2	51.7	52.0	52.8	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.4	53.4	53.5	53.9
99 2000	7.7	51.7	54.4	55.0	56.3	57.1	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.7	57.7	58.0	58.4
99 1800	7.7	51.7	54.4	56.3	56.3	57.1	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.7	57.7	58.0	58.4
99 1600	7.7	51.7	54.4	56.3	56.3	57.1	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.7	57.7	58.0	58.4
99 1400	7.7	51.9	54.6	56.2	56.6	57.3	57.6	57.7	57.7	57.7	57.7	57.7	57.7	58.0	58.0	58.2	58.6
99 1200	7.7	53.0	55.7	57.3	57.6	58.4	58.7	58.8	58.8	58.8	58.8	58.8	58.8	59.0	59.0	59.2	59.7
99 1000	8.1	56.1	58.3	60.6	61.0	61.7	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.4	62.4	62.6	63.0
99 800	8.1	55.5	57.1	61.0	61.3	62.0	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.7	62.7	62.9	63.3
99 600	8.4	61.8	64.1	66.3	66.5	67.3	67.7	67.8	67.8	67.8	67.8	67.8	67.8	68.1	68.1	68.3	68.7
99 400	6.4	61.7	65.1	67.0	67.4	68.3	68.7	68.8	68.8	68.8	68.8	68.8	68.8	69.0	69.0	69.2	69.7
99 200	8.7	62.2	55.5	67.4	67.8	68.7	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.5	69.5	69.7	70.1
99 900	8.7	63.4	67.0	68.9	69.5	70.3	70.8	70.9	70.9	70.9	70.9	70.9	70.9	71.1	71.1	71.3	71.7
99 700	8.7	66.3	69.9	72.2	73.0	73.9	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.6	74.6	74.8	75.3
99 500	8.7	68.8	72.5	74.9	75.9	76.7	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.4	77.4	77.6	78.1
99 300	9.0	73.6	74.4	77.3	79.3	79.1	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.9	79.9	80.1	80.5
99 100	9.5	72.8	77.0	80.0	81.2	82.0	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.9	82.9	83.1	83.5
99 0500	9.7	73.8	78.7	81.9	83.1	84.0	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.8	84.8	85.1	85.5
99 200	9.7	74.6	79.6	82.5	84.1	84.9	85.5	85.7	85.7	85.7	85.7	85.7	85.7	86.0	86.0	86.2	86.7
99 180	9.7	74.7	79.7	82.7	84.2	85.1	85.6	85.6	85.6	85.6	85.6	85.6	85.6	86.1	86.1	86.3	86.8
99 160	9.7	75.7	81.3	84.7	85.8	87.6	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.7	88.7	88.9	89.4
99 120	9.7	76.0	81.6	85.3	87.2	88.1	88.6	88.6	88.6	88.6	88.6	88.6	88.6	89.1	89.1	89.4	89.8
99 1000	9.7	76.3	81.7	85.6	87.5	88.5	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.9	89.9	90.1	90.5
99 800	9.7	76.0	82.2	86.0	88.0	88.9	89.7	90.0	90.1	90.1	90.1	90.1	90.1	90.3	90.3	90.5	91.0
99 600	9.7	76.1	82.3	86.5	88.4	89.4	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.8	90.8	91.0	91.4
99 400	9.7	76.2	82.4	86.9	89.1	90.0	90.6	91.1	91.1	91.1	91.1	91.1	91.1	91.4	91.4	91.6	92.0
99 200	9.7	76.5	82.7	87.5	89.9	90.9	91.6	91.9	91.9	91.9	91.9	91.9	91.9	92.3	92.3	92.5	92.9
99 900	9.7	76.6	82.9	87.7	90.5	91.8	92.6	92.7	92.9	92.9	92.9	92.9	92.9	93.2	93.2	93.4	93.9
99 700	9.7	76.6	83.1	88.1	91.2	92.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	94.0	94.0	94.2	94.7
99 500	9.7	76.6	83.1	88.1	91.3	92.7	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.4	94.4	94.6	95.1
99 300	9.7	76.6	83.1	88.1	91.3	92.7	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.5	94.5	94.7	95.2
99 100	9.7	76.6	83.1	88.4	91.6	93.0	94.0	94.4	94.4	94.4	94.4	94.4	94.4	94.8	94.8	95.0	95.5
99 0111	9.7	76.6	83.1	88.4	91.6	93.0	94.0	94.4	94.4	94.4	94.4	94.4	94.4	94.8	94.8	95.0	95.5

TOTAL NUMBER OF OBSERVATIONS: 230

GLOBAL CLIMATOLOGY BRANCH  
USAFITAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(IST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 1 1/2	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO DATA	7.1	43.9	47.7	49.2	57.9	51.5	51.9	52.5	52.7	53.1	53.2	53.2	53.3	53.3	53.4	53.5
GE 20000	7.1	46.6	57.5	52.6	54.4	55.1	55.5	56.0	56.2	56.7	56.8	56.8	56.9	56.9	57.0	57.2
GE 18000	7.1	46.6	50.5	52.6	54.4	55.1	55.5	56.0	56.2	56.7	56.8	56.8	56.9	56.9	57.0	57.2
GE 16000	7.1	46.6	50.5	52.6	54.4	55.1	55.5	56.0	56.2	56.7	56.8	56.8	56.9	56.9	57.0	57.2
GE 14000	7.1	46.8	50.8	52.9	54.6	55.3	55.7	56.2	56.5	56.9	57.0	57.0	57.1	57.1	57.2	57.4
GE 12000	7.1	47.4	51.4	53.4	55.3	55.9	56.3	56.7	57.1	57.5	57.6	57.6	57.7	57.7	57.8	58.1
GE 10000	7.2	49.9	54.1	56.2	59.2	58.8	59.2	59.6	60.0	60.4	60.5	60.5	60.6	60.6	60.8	61.0
GE 9000	7.2	50.2	54.4	56.5	59.5	59.1	59.6	60.1	60.3	60.8	60.9	60.9	61.0	61.0	61.1	61.3
GE 8000	7.2	53.2	57.8	60.1	62.3	62.9	63.5	64.1	64.3	64.7	64.8	64.8	64.9	64.9	65.1	65.3
GE 7000	7.2	54.4	59.0	61.3	63.4	64.1	64.7	65.3	65.6	66.0	66.1	66.1	66.2	66.2	66.3	66.6
GE 6000	7.4	54.6	59.2	61.5	63.7	64.3	64.9	65.5	65.8	66.2	66.3	66.3	66.5	66.5	66.6	66.8
GE 5000	7.4	57.2	61.8	64.2	66.5	67.1	67.7	68.3	68.6	69.0	69.1	69.1	69.2	69.2	69.4	69.6
GE 4000	7.4	59.0	63.7	66.0	68.4	69.1	69.8	70.4	70.8	71.2	71.3	71.3	71.4	71.4	71.5	71.7
GE 3000	7.4	62.3	67.3	70.0	72.7	73.4	74.1	74.7	75.1	75.5	75.6	75.6	75.7	75.7	75.8	76.0
GE 2000	7.5	63.7	69.7	71.5	74.3	75.1	75.7	76.3	76.7	77.1	77.2	77.2	77.3	77.3	77.4	77.6
GE 1000	7.7	65.6	71.4	74.5	77.2	78.2	78.9	79.5	79.9	80.3	80.5	80.5	80.6	80.6	80.8	81.0
GE 800	8.2	67.5	73.5	76.7	79.5	80.4	81.1	81.7	82.0	82.6	83.0	83.0	83.1	83.1	83.2	83.4
GE 700	8.2	69.2	74.9	78.1	80.9	81.8	82.6	83.2	83.5	84.1	84.5	84.5	84.6	84.6	84.7	84.9
GE 600	8.2	69.2	75.3	78.4	81.2	82.2	82.9	83.5	83.9	84.4	84.9	84.9	85.0	85.0	85.1	85.3
GE 500	8.2	69.5	75.7	79.1	81.7	83.1	83.9	84.5	84.9	85.4	85.8	85.8	85.9	85.9	86.0	86.3
GE 400	8.2	69.5	75.8	79.4	82.4	83.5	84.3	84.9	85.3	85.8	86.2	86.2	86.3	86.3	86.5	86.8
GE 300	8.2	69.8	76.5	80.1	83.4	84.6	85.4	86.1	86.5	87.2	87.6	87.6	87.7	87.7	87.8	88.2
GE 200	8.2	71.5	77.3	81.0	84.3	85.5	86.2	87.0	87.3	88.1	88.5	88.5	88.6	88.6	88.7	89.0
GE 100	8.2	71.6	77.6	81.2	84.5	85.7	86.6	87.3	87.6	88.4	88.9	88.9	89.0	89.0	89.1	89.4
GE 50	8.2	73.9	77.7	81.4	85.3	86.5	87.3	88.2	88.5	89.2	89.7	89.7	89.8	89.8	89.9	90.2
GE 0	8.2	75.8	77.7	81.4	85.3	86.5	87.4	88.3	88.6	89.4	89.9	89.9	90.0	90.0	90.1	90.3
GE 1000	8.2	77.8	77.9	81.7	85.9	87.2	87.4	87.5	87.9	88.8	89.3	89.3	89.4	89.4	89.5	89.7
GE 900	8.2	77.8	78.1	82.0	86.5	87.8	87.4	87.6	87.9	88.8	89.3	89.3	89.4	89.4	89.5	89.7
GE 800	8.2	77.8	78.1	82.0	86.5	87.8	87.4	87.6	87.9	88.8	89.3	89.3	89.4	89.4	89.5	89.7
GE 700	8.2	77.8	78.1	82.0	86.5	87.8	87.4	87.6	87.9	88.8	89.3	89.3	89.4	89.4	89.5	89.7
GE 600	8.2	77.8	78.1	82.0	86.5	87.8	87.4	87.6	87.9	88.8	89.3	89.3	89.4	89.4	89.5	89.7
GE 500	8.2	77.8	78.1	82.0	86.5	87.8	87.4	87.6	87.9	88.8	89.3	89.3	89.4	89.4	89.5	89.7
GE 400	8.2	77.8	78.1	82.0	86.5	87.8	87.4	87.6	87.9	88.8	89.3	89.3	89.4	89.4	89.5	89.7
GE 300	8.2	77.8	78.1	82.0	86.5	87.8	87.4	87.6	87.9	88.8	89.3	89.3	89.4	89.4	89.5	89.7
GE 200	8.2	77.8	78.1	82.0	86.5	87.8	87.4	87.6	87.9	88.8	89.3	89.3	89.4	89.4	89.5	89.7
GE 100	8.2	77.8	78.1	82.0	86.5	87.8	87.4	87.6	87.9	88.8	89.3	89.3	89.4	89.4	89.5	89.7
GE 0	8.2	77.8	78.1	82.0	86.5	87.8	87.4	87.6	87.9	88.8	89.3	89.3	89.4	89.4	89.5	89.7

TOTAL NUMBER OF OBSERVATIONS: 730

GLOBAL CLIMATOLOGY BRANCH  
HAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 0600-0800

CEILING FEET	VISIBILITY IN STATUTE MILES															
	1	GE 1	GE 3	GE 5	GE 7	GE 9	GE 11	GE 13	GE 15	GE 17	GE 19	GE 21	GE 23	GE 25	GE 27	GE 29
NO CEIL	1	7.1	34.0	47.4	42.2	45.5	46.5	47.1	47.5	47.9	48.2	48.4	48.4	48.9	48.9	49.1
GE 0000	1	7.4	41.3	44.6	46.7	57.3	51.5	52.6	53.4	53.8	54.2	54.4	54.4	54.9	55.1	55.4
GE 0000	1	7.4	41.3	44.6	46.7	57.3	51.5	52.6	53.4	53.8	54.2	54.4	54.4	54.9	55.1	55.4
GE 0000	1	7.4	41.3	44.6	46.7	57.3	51.5	52.6	53.4	53.8	54.2	54.4	54.4	54.9	55.1	55.4
GE 0000	1	7.4	41.3	44.6	46.7	57.3	51.5	52.6	53.4	53.8	54.2	54.4	54.4	54.9	55.1	55.4
GE 0000	1	7.4	41.7	45.3	47.3	51.0	52.2	53.0	54.1	54.4	54.6	55.1	55.1	55.6	55.7	56.0
GE 0000	1	7.4	44.2	47.8	47.9	53.9	55.1	56.1	57.1	57.4	57.6	58.1	58.1	58.6	58.7	59.0
GE 0000	1	7.4	44.4	48.1	50.1	54.1	55.3	56.3	57.3	57.6	58.1	59.3	59.3	58.8	58.9	59.2
GE 0000	1	8.0	49.7	54.1	55.3	60.6	61.6	62.9	64.0	64.4	64.8	65.1	65.1	65.6	65.7	66.0
GE 0000	1	8.0	51.9	55.5	57.8	62.5	63.9	64.9	66.0	66.5	66.9	67.1	67.1	67.6	67.7	68.1
GE 0000	1	8.0	51.0	55.7	59.1	62.7	64.1	65.0	66.2	66.7	67.1	67.3	67.3	67.8	68.1	68.3
GE 0000	1	8.0	52.0	57.2	57.6	64.5	66.1	67.2	68.3	68.7	69.1	69.4	69.4	69.9	70.0	70.3
GE 0000	1	8.3	53.7	59.2	59.7	66.9	68.6	69.8	71.1	71.5	72.0	72.3	72.3	72.8	72.9	73.2
GE 0000	1	8.3	55.2	61.1	63.9	69.1	70.9	72.2	73.5	74.0	74.5	74.7	74.7	75.3	75.4	75.7
GE 0000	1	8.3	56.7	63.3	65.3	71.7	73.7	75.1	76.5	76.9	77.4	77.6	77.6	78.2	78.3	78.6
GE 0000	1	8.3	58.1	64.7	67.7	73.3	75.4	76.9	78.3	78.8	79.6	79.8	79.8	80.3	80.4	80.9
GE 0000	1	8.8	77.9	66.6	69.9	75.6	77.7	79.2	80.6	81.2	81.9	82.2	82.2	82.7	82.8	83.3
GE 0000	1	8.8	60.6	67.6	70.3	76.8	78.9	80.5	82.2	82.7	83.5	83.8	83.8	84.3	84.4	84.9
GE 0000	1	8.9	60.9	67.6	71.2	77.0	79.1	80.8	82.4	82.9	83.6	84.0	84.0	84.5	84.6	85.2
GE 0000	1	8.9	61.3	68.6	71.3	78.1	80.3	82.0	83.7	84.2	85.1	85.4	85.4	86.0	86.1	86.8
GE 0000	1	8.9	61.3	68.7	71.9	78.4	80.8	82.6	84.2	84.7	85.6	85.9	85.9	86.4	86.7	87.3
GE 0000	1	8.9	61.6	69.1	72.4	78.9	81.3	83.2	85.3	85.4	86.6	87.1	87.1	87.7	87.8	88.5
GE 0000	1	8.9	61.8	69.2	72.5	79.1	81.6	83.9	85.9	86.5	87.4	87.7	87.7	88.4	88.5	89.1
GE 0000	1	8.9	62.0	69.5	72.8	79.5	82.3	84.5	86.6	87.1	88.1	88.6	88.6	89.1	89.2	89.9
GE 0000	1	8.9	62.2	69.7	73.1	80.6	83.4	85.8	88.0	88.5	89.6	90.0	90.0	90.6	90.8	91.4
GE 0000	1	8.9	62.0	69.7	73.2	80.9	83.7	86.0	88.3	88.8	90.3	90.9	90.8	91.4	91.5	92.2
GE 0000	1	8.9	62.3	69.7	73.2	81.1	84.0	86.7	89.1	89.9	91.4	91.8	91.8	92.5	92.6	93.2
GE 0000	1	8.9	62.2	69.5	73.3	81.2	84.1	86.9	89.3	91.0	92.6	93.0	93.0	93.7	93.9	94.5
GE 0000	1	8.9	62.2	69.8	73.3	81.2	84.1	86.9	89.3	91.0	92.6	93.0	93.0	93.7	93.9	94.5
GE 0000	1	8.9	62.2	69.8	73.3	81.2	84.2	87.1	89.5	91.4	93.7	94.2	94.2	95.3	95.9	96.5
GE 0000	1	8.9	62.2	69.8	73.3	81.2	84.2	87.1	89.5	91.4	93.8	94.3	94.4	95.8	96.5	97.6
GE 0000	1	8.9	62.2	69.8	73.3	81.2	84.2	87.1	89.5	91.4	93.8	94.3	94.4	95.8	96.5	97.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/CLTAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 724796 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 0900-1100

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 7/16	GE 1/4	GE 0
NO CLD	17.2	43.5	45.3	46.6	49.5	49.6	49.6	49.8	49.9	49.8	49.9	49.8	49.8	49.8	49.8	49.8	49.8
00 0000	17.9	46.4	51.2	54.3	55.6	55.8	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
00 1300	10.8	43.6	51.4	54.5	55.8	56.0	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
00 1600	10.8	46.6	51.4	54.5	55.8	56.0	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
00 1400	10.6	48.6	51.4	54.6	56.0	56.2	56.3	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
00 1200	10.9	46.9	51.7	54.9	56.3	56.6	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
00 1000	11.0	51.7	54.6	57.0	57.2	59.5	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
00 0900	11.0	51.7	54.6	57.3	59.2	59.5	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
00 0800	11.9	56.8	57.6	64.0	65.5	65.7	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
00 0700	11.9	59.3	62.3	65.7	67.2	67.4	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
00 0600	11.9	58.3	62.5	66.1	67.6	67.8	69.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
00 0500	10.2	60.2	54.7	63.4	67.9	70.1	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
00 0400	10.4	61.0	66.0	70.1	72.0	72.3	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
00 0300	10.6	63.9	59.1	73.2	75.2	75.4	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
00 0200	10.8	66.7	72.1	76.2	78.4	78.7	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
00 0100	10.3	69.9	75.5	79.2	82.7	83.0	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
00 2500	13.3	70.5	76.3	81.4	84.1	84.4	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
00 2400	10.5	71.6	77.6	83.0	85.7	86.0	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
00 2300	13.5	71.6	77.6	83.0	85.7	86.0	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
00 2200	13.5	72.4	79.5	84.2	87.3	87.6	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
00 2100	13.5	73.1	79.4	85.3	88.8	89.2	89.5	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
00 2000	10.5	73.4	79.7	85.9	89.9	90.5	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
00 1900	13.5	73.5	79.9	86.1	90.2	91.2	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
00 1800	13.5	73.5	80.3	86.6	90.9	91.9	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
00 1700	13.5	73.4	80.6	86.9	91.6	92.0	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
00 1600	13.5	73.8	80.6	87.0	92.0	92.4	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
00 1500	10.5	73.8	80.6	87.1	92.0	93.7	94.7	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
00 1400	10.5	73.8	80.6	87.1	92.3	93.9	95.2	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
00 1300	10.5	73.8	80.6	87.1	92.4	94.1	95.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
00 1200	10.5	73.8	80.6	87.1	92.4	94.1	95.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
00 1100	10.5	73.8	80.6	87.1	92.4	94.1	95.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
00 1000	10.5	73.8	80.6	87.1	92.4	94.1	95.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
00 0900	10.5	73.8	80.6	87.1	92.4	94.1	95.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
00 0800	10.5	73.8	80.6	87.1	92.4	94.1	95.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
00 0700	10.5	73.8	80.6	87.1	92.4	94.1	95.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
00 0600	10.5	73.8	80.6	87.1	92.4	94.1	95.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
00 0500	10.5	73.8	80.6	87.1	92.4	94.1	95.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
00 0400	10.5	73.8	80.6	87.1	92.4	94.1	95.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
00 0300	10.5	73.8	80.6	87.1	92.4	94.1	95.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
00 0200	10.5	73.8	80.6	87.1	92.4	94.1	95.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
00 0100	10.5	73.8	80.6	87.1	92.4	94.1	95.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
00 0000	10.5	73.8	80.6	87.1	92.4	94.1	95.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6

TOTAL NUMBER OF OBSERVATIONS: 235

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(EST): 1200-1400

FILE NO	VISIBILITY IN STATUTE MILES																
	FILE NO																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
01	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
02	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
03	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
04	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
05	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
06	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
07	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
08	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
09	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
10	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
11	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
12	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
13	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
14	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
15	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
16	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
17	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
18	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
19	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
20	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
21	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
22	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
23	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
24	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
25	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
26	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
27	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
28	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
29	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
30	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
31	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
32	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
33	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
34	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
35	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
36	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
37	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
38	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
39	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
40	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
41	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
42	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
43	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
44	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
45	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
46	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
47	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
48	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
49	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
50	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
51	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
52	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
53	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
54	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
55	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
56	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
57	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
58	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
59	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
60	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
61	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
62	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
63	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
64	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
65	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
66	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
67	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
68	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
69	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
70	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
71	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
72	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
73	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
74	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
75	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
76	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
77	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
78	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
79	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
80	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
81	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
82	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
83	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
84	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
85	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
86	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
87	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
88	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
89	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
90	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
91	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
92	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
93	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
94	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17

TOTAL NUMBER OF OBSERVATIONS: 750

GLOBAL CLIMATOLOGY BRANCH  
STATISTICS  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCQUIRE AFB TX

PERIOD OF RECORD: 77-86  
MONTH: OCT NOVEMBER 1ST: 1500-1700

CEILING		VISIBILITY IN STATUTE MILES															
FEET	10	6	5	4	3	2	1 1/2	1	1/2	1 1/4	1	3/4	5/8	1/2	7/16	1/4	0
NO CEIL	10.3	42.6	44.3	44.4	44.9	44.9	44.8	44.8	44.5	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
15 20000	12.3	52.3	54.4	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
16 15000	12.3	52.3	54.4	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
17 10000	12.3	52.3	54.4	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
18 14000	12.3	52.7	54.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
19 12000	12.5	53.5	55.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
20 12000	12.9	56.3	59.1	61.2	63.0	65.0	67.2	69.0	71.2	73.0	75.0	77.2	79.0	81.0	83.0	85.0	87.0
21 9000	12.9	56.6	59.4	63.2	67.2	70.2	73.2	76.2	79.2	82.2	85.2	88.2	91.2	94.2	97.2	100.0	100.0
22 8000	12.9	56.9	64.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
23 7000	13.1	62.4	65.9	66.9	65.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
24 5000	13.4	62.9	66.5	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
25 4000	14.4	65.1	69.6	69.8	69.4	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
26 4000	14.5	65.1	71.5	72.5	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
27 4000	15.2	73.2	76.3	76.2	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
28 3500	15.5	74.2	82.1	83.5	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
29 3000	15.7	82.4	86.2	86.3	86.4	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
30 2500	15.9	91.5	97.8	93.1	93.6	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
31 2000	15.9	94.2	99.7	91.5	91.6	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
32 1800	15.9	94.2	99.7	91.5	91.7	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
33 1600	15.9	94.6	99.4	91.5	92.6	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
34 1500	15.9	95.4	99.1	92.6	93.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
35 1400	15.9	95.4	99.2	92.7	94.1	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
36 1300	15.9	95.6	99.5	93.1	94.7	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
37 1200	15.9	95.6	99.5	93.6	95.6	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
38 1100	15.9	95.6	99.7	93.7	95.9	96.6	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
39 1000	15.9	95.6	99.1	93.9	96.2	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
40 900	15.9	95.9	99.4	94.3	96.8	97.8	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
41 800	15.9	95.9	99.4	94.3	96.8	97.8	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
42 700	15.9	95.9	99.4	94.3	97.1	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
43 600	15.9	95.9	99.4	94.3	97.1	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
44 500	15.9	95.9	99.4	94.3	97.1	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
45 400	15.9	95.9	99.4	94.3	97.1	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
46 300	15.9	95.9	99.4	94.3	97.1	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
47 200	15.9	95.9	99.4	94.3	97.1	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
48 100	15.9	95.9	99.4	94.3	97.1	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS: 320

CLIMATE CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724396 STATION NAME: MCCLURE AFB TX

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(EST): 1800-2300

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET	GE	GE	GE	GF	GE	GE	GE	GE	GE	GE	GE	GE	GF	GE	GE	GE	GE
1	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0	
NO CEIL	9.2	50.6	52.4	53.6	54.4	54.4	54.4	54.4	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5
65 20000	9.2	58.0	61.7	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 18000	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 16000	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 14000	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 12000	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 10000	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 8000	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 6000	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 4000	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 2000	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 1000	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 500	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 200	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 100	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 50	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 25	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 12.5	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 6.25	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 3.125	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 1.5625	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 781	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 390	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 195	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 97	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 48	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 24	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 12	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 6	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 3	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 1.5	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 .75	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 .375	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 .1875	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 .09375	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 .046875	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 .0234375	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 .01171875	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 .005859375	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 .0029296875	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 .00146484375	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 .000732421875	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 .0003662109375	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 .00018310546875	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 .000091552734375	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 .0000457763671875	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 .00002288818359375	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 .000011444091796875	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 .0000057220458984375	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 .00000286102294921875	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 .000001430511474609375	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 .0000007152557373046875	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 .00000035762786865234375	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 .000000178813934326171875	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 .0000000894069671630859375	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 .00000004470348358154296875	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 .000000022351741790771484375	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 .0000000111758708953857421875	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 .00000000558793544769287109375	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 .000000002793967723846435546875	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 .0000000013969838619232177734375	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 .00000000069849193096160888671875	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 .000000000349245965480804443359375	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 .0000000001746229827404022216796875	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 .00000000008731149137020111083984375	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65 .000000000043655745685100555419921875	9.2	58.0	61.0	62.0	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0					

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

PERIOD OF RECORD: 77-86  
MONTH: OCT      FOURSILST: 2100-2300

CEILING	VISIBILITY IN STATUTE MILES																	
	1 FEET	1 1/2	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
60	60.0	90.0	120.0	150.0	180.0	210.0	240.0	270.0	300.0	330.0	360.0	390.0	420.0	450.0	480.0	510.0	540.0	570.0
70	70.0	105.0	140.0	175.0	210.0	245.0	280.0	315.0	350.0	385.0	420.0	455.0	490.0	525.0	560.0	595.0	630.0	665.0
80	80.0	120.0	160.0	200.0	240.0	280.0	320.0	360.0	400.0	440.0	480.0	520.0	560.0	600.0	640.0	680.0	720.0	760.0
90	90.0	135.0	180.0	225.0	270.0	315.0	360.0	405.0	450.0	495.0	540.0	585.0	630.0	675.0	720.0	765.0	810.0	855.0
100	100.0	150.0	200.0	250.0	300.0	350.0	400.0	450.0	500.0	550.0	600.0	650.0	700.0	750.0	800.0	850.0	900.0	950.0
120	120.0	180.0	240.0	300.0	360.0	420.0	480.0	540.0	600.0	660.0	720.0	780.0	840.0	900.0	960.0	1020.0	1080.0	1140.0
140	140.0	210.0	280.0	350.0	420.0	490.0	560.0	630.0	700.0	770.0	840.0	910.0	980.0	1050.0	1120.0	1190.0	1260.0	1330.0
160	160.0	240.0	320.0	400.0	480.0	560.0	640.0	720.0	800.0	880.0	960.0	1040.0	1120.0	1200.0	1280.0	1360.0	1440.0	1520.0
180	180.0	270.0	360.0	450.0	540.0	630.0	720.0	810.0	900.0	990.0	1080.0	1170.0	1260.0	1350.0	1440.0	1530.0	1620.0	1710.0
200	200.0	300.0	400.0	500.0	600.0	700.0	800.0	900.0	1000.0	1100.0	1200.0	1300.0	1400.0	1500.0	1600.0	1700.0	1800.0	1900.0
220	220.0	330.0	440.0	550.0	660.0	770.0	880.0	990.0	1100.0	1210.0	1320.0	1430.0	1540.0	1650.0	1760.0	1870.0	1980.0	2090.0
240	240.0	360.0	480.0	600.0	720.0	840.0	960.0	1080.0	1200.0	1320.0	1440.0	1560.0	1680.0	1800.0	1920.0	2040.0	2160.0	2280.0
260	260.0	390.0	520.0	640.0	760.0	880.0	1000.0	1120.0	1240.0	1360.0	1480.0	1600.0	1720.0	1840.0	1960.0	2080.0	2200.0	2320.0
280	280.0	420.0	560.0	680.0	800.0	920.0	1040.0	1160.0	1280.0	1400.0	1520.0	1640.0	1760.0	1880.0	2000.0	2120.0	2240.0	2360.0
300	300.0	450.0	600.0	720.0	840.0	960.0	1080.0	1200.0	1320.0	1440.0	1560.0	1680.0	1800.0	1920.0	2040.0	2160.0	2280.0	2400.0
320	320.0	480.0	640.0	760.0	880.0	1000.0	1120.0	1240.0	1360.0	1480.0	1600.0	1720.0	1840.0	1960.0	2080.0	2200.0	2320.0	2440.0
340	340.0	510.0	680.0	800.0	920.0	1040.0	1160.0	1280.0	1400.0	1520.0	1640.0	1760.0	1880.0	2000.0	2120.0	2240.0	2360.0	2480.0
360	360.0	540.0	720.0	840.0	960.0	1080.0	1200.0	1320.0	1440.0	1560.0	1680.0	1800.0	1920.0	2040.0	2160.0	2280.0	2400.0	2520.0
380	380.0	570.0	760.0	880.0	1000.0	1120.0	1240.0	1360.0	1480.0	1600.0	1720.0	1840.0	1960.0	2080.0	2200.0	2320.0	2440.0	2560.0

TOTAL NUMBER OF OBSERVATIONS : 232

CLIMATE CLIMATOLOGY BRANCH  
HSAF/TAC  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VARIATION VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCQUEEN AFB ND

PERIOD OF RECORD: 77-84  
MONTH: OCT HOURS/SET: ALL

CEILING FEET	VISIBILITY IN STATUTE MILES															
	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4
1000	2.6	44.5	47.2	48.4	49.4	49.7	49.9	50.1	50.1	50.2	50.3	50.4	50.4	50.4	50.4	50.5
900	2.6	53.2	53.2	54.4	56.7	56.3	56.6	56.4	56.4	57.0	57.1	57.1	57.2	57.2	57.2	57.4
800	2.6	53.3	53.3	54.4	56.6	56.4	56.4	56.4	56.4	57.1	57.1	57.1	57.2	57.2	57.3	57.4
700	2.6	53.3	53.3	54.4	56.6	56.4	56.4	56.4	56.4	57.1	57.1	57.1	57.2	57.2	57.3	57.4
600	2.6	53.3	53.3	54.4	56.6	56.4	56.4	56.4	56.4	57.1	57.1	57.1	57.2	57.2	57.3	57.4
500	2.6	53.3	53.3	54.4	56.6	56.4	56.4	56.4	56.4	57.1	57.1	57.1	57.2	57.2	57.3	57.4
400	2.6	53.3	53.3	54.4	56.6	56.4	56.4	56.4	56.4	57.1	57.1	57.1	57.2	57.2	57.3	57.4
300	2.6	53.3	53.3	54.4	56.6	56.4	56.4	56.4	56.4	57.1	57.1	57.1	57.2	57.2	57.3	57.4
200	2.6	53.3	53.3	54.4	56.6	56.4	56.4	56.4	56.4	57.1	57.1	57.1	57.2	57.2	57.3	57.4
100	2.6	53.3	53.3	54.4	56.6	56.4	56.4	56.4	56.4	57.1	57.1	57.1	57.2	57.2	57.3	57.4
0	2.6	53.3	53.3	54.4	56.6	56.4	56.4	56.4	56.4	57.1	57.1	57.1	57.2	57.2	57.3	57.4
900	2.6	53.3	53.3	54.4	56.6	56.4	56.4	56.4	56.4	57.1	57.1	57.1	57.2	57.2	57.3	57.4
800	2.6	53.3	53.3	54.4	56.6	56.4	56.4	56.4	56.4	57.1	57.1	57.1	57.2	57.2	57.3	57.4
700	2.6	53.3	53.3	54.4	56.6	56.4	56.4	56.4	56.4	57.1	57.1	57.1	57.2	57.2	57.3	57.4
600	2.6	53.3	53.3	54.4	56.6	56.4	56.4	56.4	56.4	57.1	57.1	57.1	57.2	57.2	57.3	57.4
500	2.6	53.3	53.3	54.4	56.6	56.4	56.4	56.4	56.4	57.1	57.1	57.1	57.2	57.2	57.3	57.4
400	2.6	53.3	53.3	54.4	56.6	56.4	56.4	56.4	56.4	57.1	57.1	57.1	57.2	57.2	57.3	57.4
300	2.6	53.3	53.3	54.4	56.6	56.4	56.4	56.4	56.4	57.1	57.1	57.1	57.2	57.2	57.3	57.4
200	2.6	53.3	53.3	54.4	56.6	56.4	56.4	56.4	56.4	57.1	57.1	57.1	57.2	57.2	57.3	57.4
100	2.6	53.3	53.3	54.4	56.6	56.4	56.4	56.4	56.4	57.1	57.1	57.1	57.2	57.2	57.3	57.4
0	2.6	53.3	53.3	54.4	56.6	56.4	56.4	56.4	56.4	57.1	57.1	57.1	57.2	57.2	57.3	57.4
900	2.6	53.3	53.3	54.4	56.6	56.4	56.4	56.4	56.4	57.1	57.1	57.1	57.2	57.2	57.3	57.4
800	2.6	53.3	53.3	54.4	56.6	56.4	56.4	56.4	56.4	57.1	57.1	57.1	57.2	57.2	57.3	57.4
700	2.6	53.3	53.3	54.4	56.6	56.4	56.4	56.4	56.4	57.1	57.1	57.1	57.2	57.2	57.3	57.4
600	2.6	53.3	53.3	54.4	56.6	56.4	56.4	56.4	56.4	57.1	57.1	57.1	57.2	57.2	57.3	57.4
500	2.6	53.3	53.3	54.4	56.6	56.4	56.4	56.4	56.4	57.1	57.1	57.1	57.2	57.2	57.3	57.4
400	2.6	53.3	53.3	54.4	56.6	56.4	56.4	56.4	56.4	57.1	57.1	57.1	57.2	57.2	57.3	57.4
300	2.6	53.3	53.3	54.4	56.6	56.4	56.4	56.4	56.4	57.1	57.1	57.1	57.2	57.2	57.3	57.4
200	2.6	53.3	53.3	54.4	56.6	56.4	56.4	56.4	56.4	57.1	57.1	57.1	57.2	57.2	57.3	57.4
100	2.6	53.3	53.3	54.4	56.6	56.4	56.4	56.4	56.4	57.1	57.1	57.1	57.2	57.2	57.3	57.4
0	2.6	53.3	53.3	54.4	56.6	56.4	56.4	56.4	56.4	57.1	57.1	57.1	57.2	57.2	57.3	57.4
900	2.6	53.3	53.3	54.4	56.6	56.4	56.4	56.4	56.4	57.1	57.1	57.1	57.2	57.2	57.3	57.4
800	2.6	53.3	53.3	54.4	56.6	56.4	56.4	56.4	56.4	57.1	57.1	57.1	57.2	57.2	57.3	57.4
700	2.6	53.3	53.3	54.4	56.6	56.4	56.4	56.4	56.4	57.1	57.1	57.1	57.2	57.2	57.3	57.4
600	2.6	53.3	53.3	54.4	56.6	56.4	56.4	56.4	56.4	57.1	57.1	57.1	57.2	57.2	57.3	57.4
500	2.6	53.3	53.3	54.4	56.6	56.4	56.4	56.4	56.4	57.1	57.1	57.1	57.2	57.2	57.3	57.4
400	2.6	53.3	53.3	54.4	56.6	56.4	56.4	56.4	56.4	57.1	57.1	57.1	57.2	57.2	57.3	57.4
300	2.6	53.3	53.3	54.4	56.6	56.4	56.4	56.4	56.4	57.1	57.1	57.1	57.2	57.2	57.3	57.4
200	2.6	53.3	53.3	54.4	56.6	56.4	56.4	56.4	56.4	57.1	57.1	57.1	57.2	57.2	57.3	57.4
100	2.6	53.3	53.3	54.4	56.6	56.4	56.4	56.4	56.4	57.1	57.1	57.1	57.2	57.2	57.3	57.4
0	2.6	53.3	53.3	54.4	56.6	56.4	56.4	56.4	56.4	57.1	57.1	57.1	57.2	57.2	57.3	57.4

TOTAL NUMBER OF OBSERVATIONS: 7440

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURTY OBSERVATIONS

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 0000-0200

[illegible]

THE UNIVERSITY OF CHICAGO PRESS

CLIMATE CLIMATOLOGY BRANCH  
 WAFITAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 774096 STATION NAME: MC GUIRE AFB NJ

PERIOD OF RECORD: 77-86  
 MONTH: NOV HOURS: 0300-0500

CEILING FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEILING	4.1	42.2	44.1	45.0	45.7	45.9	46.2	46.6	46.6	46.9	47.1	47.0	47.0	47.0	47.3	
1-2000	8.1	44.2	46.6	47.4	48.1	48.3	48.7	49.2	49.3	49.3	49.4	49.4	49.6	49.6	49.4	
2001-3000	3.1	44.3	46.8	47.7	48.3	48.6	48.9	49.2	49.2	49.6	49.7	49.7	49.8	49.8	50.1	
3001-4000	8.1	44.3	46.3	47.7	48.3	48.6	48.9	49.2	49.2	49.6	49.7	49.7	49.8	49.8	50.1	
4001-5000	8.1	44.4	46.9	47.8	48.4	48.7	49.0	49.3	49.3	49.7	49.8	49.8	49.9	49.9	50.2	
5001-6000	4.1	44.4	46.9	47.9	48.8	49.0	49.3	49.7	49.7	50.0	50.1	50.1	50.2	50.2	50.6	
6001-7000	8.1	46.7	49.4	50.4	51.3	51.6	51.9	52.2	52.2	52.6	52.7	52.7	52.8	52.8	53.1	
7001-8000	8.1	46.8	49.6	50.6	51.4	51.7	52.0	52.3	52.3	52.7	52.8	52.8	52.9	52.9	53.2	
8001-9000	3.3	49.4	52.2	53.2	54.1	54.3	54.7	55.2	55.2	55.7	55.8	55.8	55.8	55.8	55.9	
9001-10000	4.4	50.6	53.3	54.3	55.2	55.4	55.8	56.1	56.1	56.4	56.6	56.6	56.7	56.7	57.0	
10001-11000	4.4	51.8	54.7	55.7	56.6	56.8	57.1	57.4	57.4	57.8	57.9	57.9	58.0	58.0	58.3	
11001-12000	4.4	54.8	58.1	59.2	60.2	60.4	60.8	61.1	61.1	61.4	61.6	61.6	61.7	61.7	62.0	
12001-13000	3.0	57.6	61.1	62.4	63.7	63.9	64.3	64.7	64.7	65.0	65.1	65.1	65.2	65.2	65.6	
13001-14000	3.1	57.0	62.8	64.3	65.9	66.1	66.6	66.9	66.9	67.2	67.3	67.3	67.4	67.4	67.8	
14001-15000	3.7	61.4	65.3	67.0	68.4	68.7	69.1	69.4	69.4	69.6	69.9	69.9	70.0	70.0	70.3	
15001-16000	4.7	63.2	67.6	69.3	71.9	71.2	71.7	72.0	72.0	72.3	72.4	72.4	72.6	72.6	72.9	
16001-17000	4.7	64.2	68.7	70.6	73.3	72.7	73.1	73.4	73.4	73.8	73.9	73.9	74.0	74.0	74.3	
17001-18000	3.7	65.0	69.6	71.5	74.3	73.7	74.1	74.4	74.4	74.8	74.9	74.9	75.0	75.0	75.3	
18001-19000	4.7	66.1	69.7	72.7	75.4	73.6	74.0	74.6	74.6	74.9	75.0	75.0	75.1	75.1	75.4	
19001-20000	4.7	67.0	71.7	74.3	76.2	76.6	77.1	77.4	77.4	77.8	77.9	77.9	78.0	78.0	78.3	
20001-21000	4.7	68.4	73.2	76.7	78.7	78.7	79.0	79.3	79.3	79.7	79.9	79.9	79.9	79.9	80.2	
21001-22000	3.7	68.9	74.0	77.3	79.3	80.0	81.1	81.4	81.4	81.6	81.9	81.9	82.0	82.0	82.3	
22001-23000	4.7	70.3	75.0	78.7	80.9	81.4	82.0	82.3	82.3	82.7	82.8	82.8	82.9	82.9	83.2	
23001-24000	4.7	70.6	75.0	78.6	81.7	82.4	83.0	83.3	83.3	83.7	83.8	83.8	83.9	83.9	84.2	
24001-25000	4.7	71.7	76.7	79.3	82.1	82.1	83.7	84.0	84.0	84.2	84.4	84.4	84.6	84.6	84.9	
25001-26000	4.7	72.9	76.9	79.7	84.3	85.7	86.4	86.7	86.7	87.1	87.2	87.2	87.3	87.3	87.7	
26001-27000	4.7	71.4	77.3	81.0	85.3	87.4	89.1	89.3	89.3	89.7	89.8	89.8	90.0	90.0	90.6	
27001-28000	4.7	71.6	77.3	81.0	87.4	88.0	90.4	91.1	91.1	91.6	91.7	91.7	91.9	91.9	92.4	
28001-29000	4.7	71.6	77.3	81.0	87.4	88.9	91.9	92.4	92.4	93.1	93.4	93.7	93.9	93.9	94.4	
29001-30000	4.7	71.4	77.3	81.0	87.4	88.0	92.1	93.3	93.9	94.4	94.7	94.7	94.9	94.9	95.9	
30001-31000	4.7	71.4	77.3	81.0	87.4	88.0	92.1	93.3	93.9	94.4	94.7	94.9	95.0	95.9	96.2	

CLIMATE CLIMATOLOGY BRANCH  
HAFELTAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 72496 STATION NAME: MCQUIP AFB NJ

PERIOD OF RECORD: 77-86

MONTH: NOV

HOURS (LST): 0600-0800

CEILING FEET	VISIBILITY IN STATUTE MILES																	
	1	GE	GF	GE	GF	GE	GE	GF	GE	GE	GF	GE	GF	GE	GF	GE	GE	GF
	1	1/2	3/4	1	1/2	3/4	1	1/2	3/4	1	1/2	3/4	1	1/2	3/4	1	1/2	3/4
500	4.7	76.4	54.6	40.7	41.6	41.9	42.4	42.4	42.6	42.8	43.7	43.0	43.3	43.3	43.6	43.7		
600	6.9	40.8	42.7	45.7	47.0	47.4	48.1	48.0	48.1	48.4	48.7	48.7	49.1	49.1	49.3	49.7		
700	6.9	40.9	43.4	45.0	47.1	47.6	48.1	48.1	48.1	48.2	48.6	48.8	49.2	49.2	49.4	49.8		
800	6.9	40.9	43.4	45.0	47.1	47.6	48.1	48.1	48.1	48.2	48.6	48.8	49.2	49.2	49.4	49.8		
900	6.9	40.9	43.4	45.0	47.1	47.6	48.1	48.1	48.1	48.2	48.6	48.8	49.2	49.2	49.4	49.8		
1000	7.0	41.8	44.3	46.0	48.1	48.6	49.1	49.1	49.2	49.6	49.9	49.8	50.2	50.2	50.4	50.8		
1200	7.1	42.8	46.2	48.0	50.3	50.8	51.3	51.6	51.7	52.0	52.2	52.2	52.7	52.7	52.9	53.2		
1400	7.1	42.8	46.2	48.0	50.3	50.8	51.3	51.6	51.7	52.0	52.2	52.2	52.7	52.7	52.9	53.2		
1600	7.4	46.2	48.6	50.4	52.2	52.6	54.3	54.6	54.7	55.0	55.2	55.2	55.7	55.7	55.9	56.2		
1800	7.4	46.2	48.6	50.4	52.2	52.6	54.3	54.6	54.7	55.0	55.2	55.2	55.7	55.7	55.9	56.2		
2000	7.4	46.2	48.6	50.4	52.2	52.6	54.3	54.6	54.7	55.0	55.2	55.2	55.7	55.7	55.9	56.2		
2200	7.4	46.2	48.6	50.4	52.2	52.6	54.3	54.6	54.7	55.0	55.2	55.2	55.7	55.7	55.9	56.2		
2400	7.4	46.2	48.6	50.4	52.2	52.6	54.3	54.6	54.7	55.0	55.2	55.2	55.7	55.7	55.9	56.2		
2600	7.6	50.7	54.1	56.8	58.9	59.4	60.0	60.2	60.3	60.7	60.9	60.9	61.4	61.4	61.7	62.0		
2800	7.6	50.7	54.1	56.8	58.9	59.4	60.0	60.2	60.3	60.7	60.9	60.9	61.4	61.4	61.7	62.0		
3000	7.6	50.7	54.1	56.8	58.9	59.4	60.0	60.2	60.3	60.7	60.9	60.9	61.4	61.4	61.7	62.0		
3200	7.6	50.7	54.1	56.8	58.9	59.4	60.0	60.2	60.3	60.7	60.9	60.9	61.4	61.4	61.7	62.0		
3400	7.6	50.7	54.1	56.8	58.9	59.4	60.0	60.2	60.3	60.7	60.9	60.9	61.4	61.4	61.7	62.0		
3600	7.6	50.7	54.1	56.8	58.9	59.4	60.0	60.2	60.3	60.7	60.9	60.9	61.4	61.4	61.7	62.0		
3800	7.6	50.7	54.1	56.8	58.9	59.4	60.0	60.2	60.3	60.7	60.9	60.9	61.4	61.4	61.7	62.0		
4000	7.6	50.7	54.1	56.8	58.9	59.4	60.0	60.2	60.3	60.7	60.9	60.9	61.4	61.4	61.7	62.0		
4200	7.6	50.7	54.1	56.8	58.9	59.4	60.0	60.2	60.3	60.7	60.9	60.9	61.4	61.4	61.7	62.0		
4400	7.6	50.7	54.1	56.8	58.9	59.4	60.0	60.2	60.3	60.7	60.9	60.9	61.4	61.4	61.7	62.0		
4600	7.6	50.7	54.1	56.8	58.9	59.4	60.0	60.2	60.3	60.7	60.9	60.9	61.4	61.4	61.7	62.0		
4800	7.6	50.7	54.1	56.8	58.9	59.4	60.0	60.2	60.3	60.7	60.9	60.9	61.4	61.4	61.7	62.0		
5000	7.6	50.7	54.1	56.8	58.9	59.4	60.0	60.2	60.3	60.7	60.9	60.9	61.4	61.4	61.7	62.0		
5200	7.6	50.7	54.1	56.8	58.9	59.4	60.0	60.2	60.3	60.7	60.9	60.9	61.4	61.4	61.7	62.0		
5400	7.6	50.7	54.1	56.8	58.9	59.4	60.0	60.2	60.3	60.7	60.9	60.9	61.4	61.4	61.7	62.0		
5600	7.6	50.7	54.1	56.8	58.9	59.4	60.0	60.2	60.3	60.7	60.9	60.9	61.4	61.4	61.7	62.0		
5800	7.6	50.7	54.1	56.8	58.9	59.4	60.0	60.2	60.3	60.7	60.9	60.9	61.4	61.4	61.7	62.0		
6000	7.6	50.7	54.1	56.8	58.9	59.4	60.0	60.2	60.3	60.7	60.9	60.9	61.4	61.4	61.7	62.0		
6200	7.6	50.7	54.1	56.8	58.9	59.4	60.0	60.2	60.3	60.7	60.9	60.9	61.4	61.4	61.7	62.0		
6400	7.6	50.7	54.1	56.8	58.9	59.4	60.0	60.2	60.3	60.7	60.9	60.9	61.4	61.4	61.7	62.0		
6600	7.6	50.7	54.1	56.8	58.9	59.4	60.0	60.2	60.3	60.7	60.9	60.9	61.4	61.4	61.7	62.0		
6800	7.6	50.7	54.1	56.8	58.9	59.4	60.0	60.2	60.3	60.7	60.9	60.9	61.4	61.4	61.7	62.0		
7000	7.6	50.7	54.1	56.8	58.9	59.4	60.0	60.2	60.3	60.7	60.9	60.9	61.4	61.4	61.7	62.0		
7200	7.6	50.7	54.1	56.8	58.9	59.4	60.0	60.2	60.3	60.7	60.9	60.9	61.4	61.4	61.7	62.0		
7400	7.6	50.7	54.1	56.8	58.9	59.4	60.0	60.2	60.3	60.7	60.9	60.9	61.4	61.4	61.7	62.0		
7600	7.6	50.7	54.1	56.8	58.9	59.4	60.0	60.2	60.3	60.7	60.9	60.9	61.4	61.4	61.7	62.0		
7800	7.6	50.7	54.1	56.8	58.9	59.4	60.0	60.2	60.3	60.7	60.9	60.9	61.4	61.4	61.7	62.0		
8000	7.6	50.7	54.1	56.8	58.9	59.4	60.0	60.2	60.3	60.7	60.9	60.9	61.4	61.4	61.7	62.0		
8200	7.6	50.7	54.1	56.8	58.9	59.4	60.0	60.2	60.3	60.7	60.9	60.9	61.4	61.4	61.7	62.0		
8400	7.6	50.7	54.1	56.8	58.9	59.4	60.0	60.2	60.3	60.7	60.9	60.9	61.4	61.4	61.7	62.0		
8600	7.6	50.7	54.1	56.8	58.9	59.4	60.0	60.2	60.3	60.7	60.9	60.9	61.4	61.4	61.7	62.0		
8800	7.6	50.7	54.1	56.8	58.9	59.4	60.0	60.2	60.3	60.7	60.9	60.9	61.4	61.4	61.7	62.0		
9000	7.6	50.7	54.1	56.8	58.9	59.4	60.0	60.2	60.3	60.7	60.9	60.9	61.4	61.4	61.7	62.0		
9200	7.6	50.7	54.1	56.8	58.9	59.4	60.0	60.2	60.3	60.7	60.9	60.9	61.4	61.4	61.7	62.0		
9400	7.6	50.7	54.1	56.8	58.9	59.4	60.0	60.2	60.3	60.7	60.9	60.9	61.4	61.4	61.7	62.0		
9600	7.6	50.7	54.1	56.8	58.9	59.4	60.0	60.2	60.3	60.7	60.9	60.9	61.4	61.4	61.7	62.0		
9800	7.6	50.7	54.1	56.8	58.9	59.4	60.0	60.2	60.3	60.7	60.9	60.9	61.4	61.4	61.7	62.0		
10000	7.6	50.7	54.1	56.8	58.9	59.4	60.0	60.2	60.3	60.7	60.9	60.9	61.4	61.4	61.7	62.0		

TOTAL NUMBER OF OBSERVATIONS: 724

PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 0900-1100

[illegible]

TOTAL NUMBER OF OBSERVATIONS: 212

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

PERIOD OF RECORD: 77-86  
MONTH: NOV      HOURS(LST): 1200-1400

TOTAL NUMBER OF OBSERVATIONS: 500

CENTRAL CLIMATOLOGY BRANCH  
WAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724026 STATION NAME: MCQUIR AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(UTC): 1500-1700

CEILING FEET	1 10	GE 1	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	VISIBILITY IN STATUTE MILES									
								GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CELL	1	9.4	40.0	40.4	41.0	41.3	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
CE 1000	11.4	49.0	49.9	50.6	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
CE 1500	11.4	49.0	49.9	50.6	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
CE 1800	11.4	49.0	49.9	50.6	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
CE 1400	11.4	49.1	50.0	50.7	51.1	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
CE 1200	11.4	49.8	50.7	51.3	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
CE 1000	11.8	52.2	53.0	54.4	55.0	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
CE 900	11.8	53.0	54.6	55.4	56.1	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
CE 800	12.0	54.6	56.4	57.7	58.4	58.4	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
CE 700	12.1	56.7	58.6	59.9	60.7	60.7	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
CE 600	12.1	57.0	58.9	60.2	61.0	61.0	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
CE 500	12.7	59.0	60.9	62.3	63.2	63.3	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
CE 400	12.9	62.0	64.1	65.7	66.8	66.9	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
CE 300	12.7	65.7	67.8	69.4	70.6	70.7	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
CE 200	14.1	69.7	72.1	73.7	74.9	75.1	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
CE 100	15.0	74.2	76.7	78.1	79.9	80.2	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
CE 100	15.2	75.6	78.0	80.9	82.3	82.7	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
CE 100	15.2	77.1	80.2	83.0	84.3	84.8	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
CE 100	15.2	77.8	81.1	83.6	85.1	85.6	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
CE 100	15.2	78.6	82.0	85.7	87.2	87.6	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
CE 100	15.2	79.2	83.0	86.6	88.3	88.9	89.4	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
CE 100	15.2	79.9	83.7	87.4	89.0	89.6	90.1	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
CE 100	15.2	79.9	83.7	87.7	89.7	90.3	90.9	91.2	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
CE 100	15.2	79.9	83.8	87.9	89.7	90.7	91.4	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
CE 100	15.2	80.1	84.0	88.4	90.6	91.4	92.3	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
CE 100	15.2	80.1	84.2	88.6	91.0	91.9	92.9	93.6	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
CE 100	15.2	81.2	84.6	89.0	91.8	92.7	94.3	95.7	95.9	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
CE 100	15.2	80.3	84.7	89.0	92.1	93.1	95.0	96.7	96.9	97.4	97.7	97.8	97.8	97.8	97.8	97.8	97.8
CE 100	15.2	80.3	84.7	89.3	92.3	93.4	95.6	97.4	97.8	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7
CE 100	15.2	80.3	84.7	89.3	92.3	93.4	95.6	97.4	97.8	98.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
CE 100	15.2	80.3	84.7	89.3	92.3	93.4	95.6	97.4	97.8	98.6	99.6	99.7	99.7	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 920

LOCAL CLIMATOLOGY BRANCH  
 CRAFTAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM FOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCQUIRK AFB NJ

PERIOD OF RECORD: 77-86  
 MONTH: NOV HOURS(LEST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES																		
	1	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4
60 FEET	4.1	42.7	42.9	43.9	44.3	44.3	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60 FEET	17.0	50.3	50.9</																

GENERAL CLIMATOLOGY BRANCH  
WAFB/TAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 724796 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86

MONTH: NOV

HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
NO CEIL	7.3	44.4	45.6	46.2	46.9	47.2	47.4	47.4	47.4	47.4	47.4	47.7	47.7	47.7	47.7	47.8
GE 2000	9.9	49.1	50.6	51.6	52.2	52.6	52.9	52.9	52.9	52.9	52.9	53.0	53.0	53.0	53.0	53.1
GE 1800	9.9	49.1	50.6	51.6	52.2	52.6	52.9	52.9	52.9	52.9	52.9	53.0	53.0	53.0	53.0	53.1
GE 1600	9.9	49.1	50.6	51.6	52.2	52.6	52.9	52.9	52.9	52.9	52.9	53.0	53.0	53.0	53.0	53.1
GE 1400	10.2	49.8	51.2	52.2	52.9	53.2	53.4	53.4	53.4	53.4	53.4	53.7	53.7	53.7	53.7	53.8
GE 1200	10.2	50.4	51.9	52.9	53.6	53.9	54.1	54.1	54.1	54.1	54.1	54.3	54.3	54.3	54.3	54.4
GE 1000	10.3	53.3	54.4	55.3	56.4	56.8	57.0	57.0	57.0	57.0	57.0	57.2	57.2	57.2	57.2	57.3
GE 900	10.7	54.0	55.6	56.7	57.2	57.7	57.9	57.9	57.9	57.9	57.9	58.1	58.1	58.1	58.1	58.2
GE 800	10.9	57.8	59.4	60.6	61.3	61.7	61.9	61.9	61.9	61.9	61.9	62.1	62.1	62.1	62.1	62.2
GE 700	10.9	58.4	60.2	61.3	62.1	62.4	62.7	62.7	62.7	62.7	62.7	62.9	62.9	62.9	62.9	63.0
GE 600	10.9	59.1	60.9	62.0	62.8	63.1	63.3	63.3	63.3	63.3	63.3	63.6	63.6	63.6	63.6	63.7
GE 500	11.0	61.6	63.6	64.7	65.4	65.8	66.1	66.1	66.1	66.1	66.1	66.3	66.3	66.3	66.3	66.4
GE 400	11.2	65.1	67.0	68.1	68.9	69.2	69.6	69.6	69.6	69.6	69.6	69.9	69.9	69.9	69.9	70.0
GE 300	11.3	65.8	67.7	68.8	69.7	70.0	70.3	70.3	70.3	70.3	70.3	70.6	70.6	70.6	70.6	70.7
GE 200	12.1	69.3	71.0	72.1	73.1	73.4	73.8	73.8	73.8	73.8	73.8	74.1	74.1	74.1	74.1	74.2
GE 100	12.7	70.6	72.9	74.1	75.1	75.6	75.9	75.9	75.9	75.9	75.9	76.2	76.2	76.2	76.2	76.3
GE 000	12.3	72.2	74.9	76.1	77.2	77.7	78.0	78.0	78.0	78.0	78.0	78.3	78.3	78.3	78.3	78.4
GE 000	12.3	73.6	76.2	77.4	78.7	79.1	79.6	79.6	79.6	79.6	79.6	79.9	79.9	79.9	79.9	80.0
GE 000	12.3	73.9	76.7	77.9	79.1	79.6	80.0	80.0	80.0	80.0	80.0	80.3	80.3	80.3	80.3	80.4
GE 000	12.3	75.1	78.6	80.0	81.4	82.0	82.4	82.4	82.4	82.4	82.4	82.7	82.7	82.7	82.7	83.0
GE 000	12.7	75.4	79.0	80.4	82.0	82.6	83.0	83.0	83.0	83.0	83.0	83.3	83.3	83.3	83.3	83.7
GE 000	12.7	76.6	80.6	82.0	83.1	83.8	84.3	84.3	84.3	84.3	84.3	84.6	84.6	84.6	84.6	85.0
GE 000	12.7	76.7	80.7	82.4	83.4	84.1	84.7	84.7	84.7	84.7	84.7	85.1	85.1	85.1	85.1	85.4
GE 000	12.3	77.1	81.3	83.6	85.7	86.6	87.1	87.1	87.1	87.1	87.1	87.4	87.4	87.4	87.4	87.9
GE 000	12.3	77.2	81.4	83.3	86.7	87.6	88.1	88.1	88.1	88.1	88.1	88.7	88.7	88.7	88.7	89.0
GE 000	12.3	77.2	81.3	83.3	87.0	87.9	88.4	88.4	88.4	88.4	88.4	89.1	89.1	89.1	89.1	89.8
GE 000	12.3	77.4	82.0	84.2	87.6	89.3	90.7	91.0	91.2	91.6	91.6	91.8	91.8	91.8	91.8	92.0
GE 000	12.3	77.7	82.7	85.2	88.4	90.0	91.7	92.8	93.1	93.4	93.4	93.7	93.7	93.7	93.7	94.0
GE 000	12.2	77.7	82.7	85.3	88.6	90.4	93.1	94.6	95.0	95.7	95.7	96.0	96.0	96.0	96.0	96.6
GE 000	12.2	77.7	82.7	85.2	88.6	90.4	93.2	95.2	95.9	96.6	96.6	97.2	97.2	97.2	97.2	98.4
GE 000	12.7	77.7	82.7	85.3	88.6	90.4	93.6	95.6	96.7	97.1	97.1	97.8	97.8	97.8	98.1	99.6
GE 000	12.7	77.7	82.7	85.3	88.6	90.4	93.6	95.6	96.7	97.1	97.1	97.8	97.8	97.8	98.1	99.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAF/TAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS (LST): ALL

CEILING FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	9.1	40.6	41.7	42.7	43.4	43.5	43.7	43.8	43.8	44.0	44.1	44.1	44.1	44.1	44.2	44.3
CE 2000	9.1	46.1	47.4	48.6	49.4	49.6	49.8	49.9	49.9	50.0	50.1	50.1	50.2	50.3	50.3	50.5
CE 1800	9.1	46.2	47.6	48.7	49.6	49.8	50.0	50.1	50.1	50.2	50.3	50.3	50.4	50.4	50.5	50.7
CE 1600	9.1	46.2	47.6	48.8	49.6	49.8	50.0	50.1	50.1	50.2	50.3	50.3	50.4	50.4	50.5	50.7
CE 1400	9.2	46.4	47.9	49.0	49.9	50.0	50.3	50.3	50.4	50.5	50.6	50.6	50.7	50.7	50.8	50.9
CE 1200	9.2	46.0	48.4	49.6	49.6	50.5	50.7	50.9	51.0	51.0	51.1	51.2	51.3	51.3	51.4	51.6
CE 1000	9.7	49.4	50.9	52.2	53.2	53.4	53.6	53.8	53.8	53.9	54.0	54.0	54.1	54.1	54.2	54.3
CE 900	9.3	49.9	51.6	52.9	53.9	54.1	54.3	54.5	54.5	54.6	54.7	54.7	54.8	54.8	54.9	55.0
CE 800	9.7	52.7	54.5	55.9	57.0	57.2	57.5	57.6	57.7	57.8	57.9	57.9	58.0	58.0	58.1	58.2
CE 700	9.7	54.0	56.0	57.4	58.7	58.9	59.2	59.3	59.3	59.5	59.6	59.6	59.7	59.7	59.7	59.9
CE 600	9.7	54.8	56.8	58.3	59.5	59.7	60.0	60.1	60.1	60.3	60.4	60.4	60.5	60.5	60.5	60.7
CE 500	9.9	56.9	59.1	60.7	62.0	62.2	62.5	62.7	62.7	62.9	63.0	63.0	63.1	63.1	63.1	63.3
CE 400	10.7	59.9	62.3	64.1	65.4	65.7	66.0	66.2	66.2	66.3	66.5	66.5	66.6	66.6	66.6	66.8
CE 300	10.7	62.2	64.6	66.5	68.0	68.2	68.6	68.7	68.8	68.9	69.0	69.0	69.2	69.2	69.2	69.4
CE 200	11.1	65.3	68.0	70.0	71.5	71.6	72.2	72.3	72.4	72.6	72.7	72.7	72.8	72.8	72.8	73.0
CE 100	11.6	67.8	70.9	73.0	74.7	75.1	75.5	75.6	75.7	75.9	76.0	76.0	76.1	76.1	76.2	76.3
CE 0	11.6	69.3	72.5	75.0	76.8	77.3	77.7	77.8	77.9	78.1	78.2	78.2	78.3	78.3	78.3	78.5
CE 2000	11.6	73.5	73.9	76.5	78.5	78.9	79.3	79.5	79.6	79.7	79.8	79.8	80.0	80.0	80.0	80.2
CE 1800	11.6	71.1	74.5	77.2	79.2	79.6	80.1	80.2	80.3	80.5	80.6	80.6	80.7	80.7	80.8	80.9
CE 1600	11.6	72.5	76.2	79.3	81.5	82.0	82.6	82.8	82.8	83.0	83.2	83.2	83.3	83.3	83.3	83.5
CE 1400	11.6	73.3	77.3	80.4	82.7	83.3	83.8	84.1	84.1	84.3	84.4	84.4	84.6	84.6	84.6	84.8
CE 1200	11.6	74.1	78.3	81.6	84.2	84.9	85.6	85.8	85.9	86.1	86.2	86.2	86.3	86.3	86.4	86.6
CE 1000	11.6	74.4	78.6	82.0	84.5	85.7	86.3	86.7	86.7	86.9	87.1	87.1	87.2	87.2	87.3	87.4
CE 900	11.6	74.7	79.1	82.5	85.7	86.6	87.2	87.7	87.8	88.0	88.1	88.1	88.2	88.2	88.3	88.5
CE 800	11.6	74.9	79.5	83.2	86.5	87.6	88.4	88.4	88.7	89.2	89.4	89.4	89.5	89.5	89.6	89.7
CE 700	11.6	75.3	79.7	83.6	87.5	88.7	89.7	89.7	90.3	90.4	90.7	90.9	90.9	91.1	91.1	91.3
CE 600	11.6	75.2	80.0	84.1	88.5	89.9	91.3	92.2	92.4	92.7	92.9	92.9	93.1	93.2	93.2	93.4
CE 500	11.6	75.4	80.2	84.3	89.1	90.8	92.5	93.6	94.0	94.5	94.8	94.8	95.0	95.0	95.1	95.3
CE 400	11.6	75.4	80.2	84.6	89.5	91.3	92.3	94.4	95.7	96.1	96.5	96.5	96.7	96.8	96.9	97.1
CE 300	11.6	75.4	80.2	84.7	89.6	91.4	93.6	95.4	95.9	96.7	97.3	97.4	97.7	97.8	98.1	98.3
CE 200	11.6	75.4	80.4	84.7	89.6	91.5	93.7	95.5	96.0	96.9	97.5	97.6	98.0	98.2	98.6	99.4
CE 100	11.6	75.4	80.4	84.7	89.6	91.5	93.7	95.5	96.0	96.9	97.5	97.6	98.0	98.2	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 7200

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(DST): 0000-0200

[illegible]

TOTAL NUMBER OF OBSERVATIONS: 232

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM EQUALLY OBSERVATIONS

PERIOD OF RECORD: 77-84  
MONTH: DEC HOURS/DAYS: 0300-0500

CRILING	VISIBILITY IN STATUTE MILES																	
	IN FEET	1 1/2	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
50 CRIL	1	7.4	44.9	45.1	47.5	48.3	48.3	49.7	49.7	48.7	48.7	48.7	48.7	48.7	48.7	48.8	48.8	48.9
60 CRIL	1	7.5	47.7	48.9	50.5	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.8	51.8	51.9
70 CRIL	1	7.6	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
80 CRIL	1	7.7	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
90 CRIL	1	7.8	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
100 CRIL	1	7.9	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
110 CRIL	1	8.0	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
120 CRIL	1	8.1	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
130 CRIL	1	8.2	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
140 CRIL	1	8.3	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
150 CRIL	1	8.4	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
160 CRIL	1	8.5	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
170 CRIL	1	8.6	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
180 CRIL	1	8.7	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
190 CRIL	1	8.8	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
200 CRIL	1	8.9	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
210 CRIL	1	9.0	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
220 CRIL	1	9.1	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
230 CRIL	1	9.2	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
240 CRIL	1	9.3	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
250 CRIL	1	9.4	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
260 CRIL	1	9.5	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
270 CRIL	1	9.6	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
280 CRIL	1	9.7	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
290 CRIL	1	9.8	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
300 CRIL	1	9.9	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
310 CRIL	1	10.0	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
320 CRIL	1	10.1	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
330 CRIL	1	10.2	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
340 CRIL	1	10.3	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
350 CRIL	1	10.4	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
360 CRIL	1	10.5	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
370 CRIL	1	10.6	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
380 CRIL	1	10.7	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
390 CRIL	1	10.8	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
400 CRIL	1	10.9	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
410 CRIL	1	11.0	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
420 CRIL	1	11.1	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
430 CRIL	1	11.2	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
440 CRIL	1	11.3	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
450 CRIL	1	11.4	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
460 CRIL	1	11.5	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
470 CRIL	1	11.6	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
480 CRIL	1	11.7	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
490 CRIL	1	11.8	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
500 CRIL	1	11.9	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
510 CRIL	1	12.0	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
520 CRIL	1	12.1	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
530 CRIL	1	12.2	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
540 CRIL	1	12.3	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
550 CRIL	1	12.4	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
560 CRIL	1	12.5	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
570 CRIL	1	12.6	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
580 CRIL	1	12.7	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
590 CRIL	1	12.8	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
600 CRIL	1	12.9	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
610 CRIL	1	13.0	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
620 CRIL	1	13.1	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
630 CRIL	1	13.2	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
640 CRIL	1	13.3	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
650 CRIL	1	13.4	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
660 CRIL	1	13.5	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
670 CRIL	1	13.6	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
680 CRIL	1	13.7	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
690 CRIL	1	13.8	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
700 CRIL	1	13.9	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
710 CRIL	1	14.0	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
720 CRIL	1	14.1	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
730 CRIL	1	14.2	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
740 CRIL	1	14.3	48.3	49.2	50.9	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2	52.3
750 CRIL	1	14.																

TOTAL NUMBER OF OBSERVATIONS: 23

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 77-86

MONTH: DEC HOURS (LST): 0600-0800

CEILING	VISIBILITY IN STATUTE MILES																
	IN FEET	1 10	6	5	4	3	2	1 1/2	1 1/4	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEILING	6.0	45.0	42.4	43.9	44.3	44.4	44.7	44.8	44.8	44.8	44.8	44.9	44.9	44.9	44.9	45.1	45.1
01 10000	6.1	45.8	47.6	49.2	50.2	50.3	50.6	50.9	50.9	50.9	50.9	50.9	50.9	51.0	51.0	51.1	51.1
01 16000	6.1	45.9	47.9	49.5	50.2	50.5	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.2	51.2	51.3	51.3
01 16000	6.1	45.9	47.8	49.5	50.2	50.5	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.2	51.2	51.3	51.3
01 14000	6.1	46.1	48.2	49.6	50.5	50.9	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.5	51.5	51.6	51.6
01 12000	6.2	47.3	49.4	51.0	51.7	52.2	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.7	52.7	52.8	52.8
01 10000	6.2	50.1	52.2	53.7	54.7	55.1	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.7	55.7	55.8	55.8
01 9000	6.2	50.3	52.4	54.0	54.9	55.3	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.9	55.9	56.0	56.0
01 8000	6.6	54.2	56.5	58.2	59.2	59.6	60.0	60.1	60.1	60.2	60.2	60.2	60.3	60.4	60.4	60.5	60.5
01 7000	6.9	58.8	57.2	58.9	60.0	60.3	60.5	60.9	60.9	61.0	61.1	61.1	61.2	61.2	61.3	61.3	61.3
01 6000	6.8	55.3	57.6	59.4	60.4	60.8	61.2	61.3	61.3	61.4	61.5	61.5	61.6	61.6	61.7	61.7	61.7
01 5000	7.1	58.5	61.1	62.8	63.9	64.2	64.7	64.8	64.9	64.9	65.1	65.1	65.2	65.2	65.3	65.3	65.3
01 4000	7.6	61.1	64.0	65.9	67.1	67.3	67.8	68.1	68.1	68.2	68.3	68.3	68.4	68.4	68.5	68.5	68.5
01 3000	8.3	63.2	66.3	68.3	69.9	70.2	70.8	70.9	71.0	71.2	71.3	71.4	71.4	71.5	71.5	71.5	71.5
01 3000	8.4	69.3	68.6	70.9	72.8	73.2	74.0	74.2	74.3	74.5	74.6	74.6	74.7	74.7	74.8	74.8	74.8
01 3000	8.4	68.4	72.3	74.6	76.6	77.0	77.7	78.0	78.1	78.3	78.4	78.4	78.5	78.5	78.6	78.6	78.6
01 2000	8.5	68.9	73.8	76.5	78.4	78.9	79.8	80.1	80.2	80.5	80.6	80.6	80.8	80.8	80.9	80.9	80.9
01 2000	8.6	70.6	73.6	78.5	80.3	80.9	81.7	82.1	82.4	82.7	82.8	82.8	82.9	82.9	83.0	83.0	83.0
01 1800	8.6	70.8	74.8	78.5	80.2	80.9	81.7	82.1	82.4	82.7	82.8	82.8	82.9	82.9	83.0	83.0	83.0
01 1500	8.6	71.4	75.7	75.9	81.2	81.9	82.9	83.4	83.5	83.5	84.0	84.0	84.1	84.1	84.2	84.2	84.2
01 1200	8.6	71.9	76.3	77.7	82.2	82.8	83.9	84.4	84.5	84.5	84.9	84.9	85.1	85.1	85.2	85.2	85.2
01 1000	8.6	72.4	77.0	80.0	83.7	84.5	85.6	86.1	86.2	86.7	86.7	86.9	87.0	87.0	87.1	87.1	87.1
01 800	8.6	72.6	77.3	81.4	84.5	85.4	86.5	87.0	87.1	87.5	87.7	87.7	87.8	87.8	88.0	88.0	88.0
01 700	8.6	73.4	78.2	82.0	85.8	86.7	87.7	88.1	88.5	88.9	89.1	89.1	89.2	89.2	89.4	89.4	89.4
01 700	8.6	73.8	79.1	83.1	86.9	88.0	89.0	89.6	89.6	90.0	90.4	90.4	90.5	90.5	90.6	90.6	90.6
01 600	8.6	74.1	79.6	84.2	87.9	89.1	90.1	90.7	90.7	91.1	91.5	91.7	91.8	91.8	91.9	91.9	91.9
01 500	8.6	74.4	80.5	85.2	89.0	90.2	91.2	91.6	91.6	92.0	92.4	92.4	92.5	92.5	92.6	92.6	92.6
01 400	8.6	74.5	81.1	86.3	90.5	91.9	93.8	94.6	94.8	95.5	95.7	95.7	95.8	95.8	95.9	95.9	95.9
01 300	8.6	74.6	81.0	86.2	91.1	92.7	94.5	95.6	95.8	96.6	97.0	97.0	97.2	97.2	97.6	97.6	97.6
01 200	8.6	74.5	81.0	86.2	91.3	92.9	94.9	95.9	96.5	97.4	97.8	98.0	98.5	98.5	99.0	99.0	99.0
01 100	8.6	74.5	81.0	86.4	91.3	92.9	94.9	95.9	96.5	97.6	98.1	98.2	98.8	98.8	99.7	100.0	100.0
01 00	8.6	74.5	81.0	86.4	91.3	92.9	94.9	95.9	96.5	97.6	98.1	98.2	98.8	98.8	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 230

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 774096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(IST): 0900-1100

CEILING IN FEET	1 10	GE 6	GF 5	GF 4	GE 3	GE 2 1/2	VISIBILITY IN STATUTE MILES										GE 1/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
							GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0						
NO CEIL	5.1	32.8	39.7	39.9	47.3	40.3	40.3	40.3	40.3	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
GE 20000	5.4	46.2	47.5	47.7	48.4	48.5	48.5	48.5	48.5	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 18000	5.4	46.5	47.7	48.0	48.6	48.7	48.7	48.7	48.7	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
GE 16000	5.4	46.5	47.7	48.0	48.6	48.7	48.7	48.7	48.7	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
GE 14000	5.4	46.5	47.7	48.0	48.6	48.7	48.7	48.7	48.7	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
GE 12000	5.8	47.4	48.7	48.9	49.6	49.7	49.7	49.7	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 10000	5.9	51.8	53.5	54.1	54.9	55.1	55.1	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 9000	5.9	52.2	53.9	54.4	55.3	55.4	55.4	55.4	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
GE 8000	6.5	56.7	58.6	59.2	60.3	60.4	60.5	60.6	60.6	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 7000	6.6	57.2	59.1	59.8	60.9	61.0	61.1	61.2	61.2	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 6000	6.6	57.6	59.7	60.3	61.4	61.5	61.6	61.7	61.7	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 5000	6.8	61.2	63.3	64.3	65.1	65.2	65.4	65.5	65.5	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 4000	7.1	64.0	66.5	67.2	68.3	68.4	68.6	68.7	68.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 3000	7.2	65.6	68.5	69.4	70.5	70.6	71.1	71.2	71.2	71.2	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
GE 2000	7.7	69.7	72.7	73.5	75.2	75.6	76.0	76.2	76.2	76.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 1000	7.7	72.4	75.9	77.1	78.5	79.1	80.0	80.2	80.2	80.2	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 500	8.0	74.1	77.7	79.3	81.0	81.3	82.2	82.4	82.5	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 400	8.0	74.9	78.7	80.1	82.0	82.8	83.8	84.0	84.1	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 300	8.1	75.5	79.4	80.9	82.5	83.0	84.5	84.7	84.8	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 200	8.1	76.1	80.1	81.5	83.9	84.6	85.7	85.9	86.0	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 100	8.1	76.7	80.9	82.7	84.7	85.7	86.9	87.2	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 50	8.1	77.1	81.4	83.3	85.5	86.5	87.6	88.0	88.2	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 40	8.1	77.3	81.7	83.9	86.1	87.0	88.0	88.5	88.7	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 30	8.1	77.5	81.9	84.3	86.8	87.8	89.1	89.5	89.7	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 20	8.1	77.7	82.3	84.7	87.7	89.0	90.6	91.0	91.2	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 10	8.1	78.0	82.5	85.3	88.3	89.6	91.4	91.7	91.9	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 5	8.1	78.3	82.8	85.6	89.0	91.0	93.2	93.8	94.1	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 4	8.1	78.4	82.9	85.9	89.4	91.6	94.0	94.8	95.2	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 3	8.1	78.5	83.1	86.1	89.9	92.0	94.8	95.8	96.1	97.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 2	8.1	78.5	83.0	86.0	89.9	92.0	94.8	95.8	96.1	97.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1	8.1	78.5	83.0	86.0	89.9	92.0	94.8	95.8	96.1	97.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 0	8.1	78.5	83.0	86.0	89.9	92.0	94.8	95.8	96.1	97.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS: 930

GENERAL CLIMATOLOGY BRANCH  
WAFB/TAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 774096 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(EST): 1000-1400

CEILING		VISIBILITY IN STATUTE MILES																	
IN FEET		1	10	6	5	4	3	2	1 1/2	1	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	1	5.9	41.4	41.6	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
60	2000	7.6	52.5	52.6	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
60	1000	7.7	51.0	51.3	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
60	1000	7.7	51.0	51.3	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
60	1400	7.7	51.1	51.4	51.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
60	1200	8.0	52.0	52.4	52.5	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
60	1000	8.4	56.7	56.1	56.3	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
60	900	8.4	56.2	56.7	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
60	800	8.8	61.5	61.9	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
60	700	9.0	61.9	62.4	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
60	600	9.1	62.3	62.8	63.5	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
60	500	9.6	65.2	65.4	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
60	400	10.0	66.6	67.2	67.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
60	300	10.0	70.1	70.3	71.6	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
60	200	10.4	74.2	75.1	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
60	100	10.4	76.9	77.3	77.1	79.5	79.9	80.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
60	2000	10.5	73.6	79.9	81.3	81.6	82.0	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
60	1000	10.5	83.8	81.8	83.5	83.9	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
60	1000	10.5	81.0	82.0	83.9	84.2	84.6	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
60	1000	10.5	82.4	83.7	85.6	86.3	86.9	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
60	1000	10.5	82.6	84.3	85.2	87.1	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
60	1000	10.5	83.0	84.5	87.0	88.2	88.9	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
60	1000	10.5	83.1	84.9	87.1	88.5	89.2	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
60	1000	10.5	83.2	85.0	87.3	88.9	89.9	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
60	1000	10.5	83.3	85.4	87.6	89.1	90.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
60	1000	10.5	83.3	85.4	87.6	89.1	90.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
60	1000	10.5	83.7	85.7	88.1	89.4	90.7	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
60	1000	10.5	83.7	85.7	88.2	89.4	90.7	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
60	1000	10.5	83.8	85.5	88.3	89.9	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
60	1000	10.5	83.8	85.4	88.3	89.9	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
60	1000	10.5	83.8	85.4	88.3	89.9	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
60	1000	10.5	83.8	85.4	88.3	89.9	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
60	1000	10.5	83.8	85.4	88.3	89.9	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
60	1000	10.5	83.8	85.4	88.3	89.9	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
60	1000	10.5	83.8	85.4	88.3	89.9	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
60	1000	10.5	83.8	85.4	88.3	89.9	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
60	1000	10.5	83.8	85.4	88.3	89.9	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
60	1000	10.5	83.8	85.4	88.3	89.9	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
60	1000	10.5	83.8	85.4	88.3	89.9	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
60	1000	10.5	83.8	85.4	88.3	89.9	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
60	1000	10.5	83.8	85.4	88.3	89.9	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
60	1000	10.5	83.8	85.4	88.3	89.9	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
60	1000	10.5	83.8	85.4	88.3	89.9	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
60	1000	10.5	83.8	85.4	88.3	89.9	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
60	1000	10.5	83.8	85.4	88.3	89.9	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
60	1000	10.5	83.8	85.4	88.3	89.9	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
60	1000	10.5	83.8	85.4	88.3	89.9	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
60	1000	10.5	83.8	85.4	88.3	89.9	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
60	1000	10.5	83.8	85.4	88.3	89.9	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
60	1000	10.5	83.8	85.4	88.3	89.9	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
60	1000	10.5	83.8	85.4	88.3	89.9	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
60	1000	10.5	83.8	85.4	88.3	89.9	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
60	1000	10.5	83.8	85.4	88.3	89.9	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
60	1000	10.5	83.8	85.4	88.3	89.9	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
60	1000	10.5	83.8	85.4	88.3	89.9	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
60	1000	10.5	83.8	85.4	88.3	89.9	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
60	1000	10.5	83.8	85.4	88.3	89.9	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
60	1000	10.5	83.8	85.4	88.3	89.9	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
60	1000	10.5	83.8	85.4	88.3	89.9	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
60	1000	10.5	83.8	85.4	88.3	89.9	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
60	1000	10.5	83.8	85.4	88.3	89.9	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
60	1000	10.5	83.8	85.4	88.3	89.9	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
60	1000	10.5	83.8	85.4	88.3	89.9													

WORLD CLIMATOLOGY BRANCH  
 DETROIT  
 AIR WEATHER SERVICE/ZNAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING AND VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 72096 STATION NAME: MUSKOGEE AFB AL

PERIOD OF RECORD: 77-86  
 MONTH: DEC HOURS(EST): 1500-1700

CEILING	VISIBILITY IN STATUTE MILES																	
	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	1	1/2	2	2 1/2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NO CEILING	1.4	3.4	4.7	4.5	4.4	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
1-200	7.7	1.8	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
201-300	7.7	51.1	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
301-400	7.7	1.1	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
401-500	7.7	51.3	51.9	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
501-600	7.7	7.2	57.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
601-700	7.7	7.4	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
701-800	7.7	7.8	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
801-900	7.7	51.4	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
901-1000	7.7	57.3	57.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
1001-1200	7.1	52.3	53.1	53.5	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
1201-1400	7.2	55.4	55.5	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
1401-1600	7.5	57.7	58.2	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
1601-1800	7.9	72.0	72.5	73.3	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
1801-2000	7.4	75.1	75.8	76.5	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
2001-2200	7.5	74.3	74.2	74.2	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
2201-2400	7.5	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
2401-2600	7.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
2601-2800	7.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
2801-3000	7.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
3001-3200	7.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
3201-3400	7.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
3401-3600	7.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
3601-3800	7.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
3801-4000	7.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
4001-4200	7.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
4201-4400	7.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
4401-4600	7.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
4601-4800	7.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
4801-5000	7.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
5001-5200	7.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
5201-5400	7.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
5401-5600	7.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
5601-5800	7.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
5801-6000	7.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
6001-6200	7.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
6201-6400	7.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
6401-6600	7.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
6601-6800	7.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
6801-7000	7.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
7001-7200	7.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
7201-7400	7.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
7401-7600	7.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
7601-7800	7.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
7801-8000	7.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
8001-8200	7.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
8201-8400	7.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
8401-8600	7.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
8601-8800	7.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
8801-9000	7.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
9001-9200	7.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
9201-9400	7.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
9401-9600	7.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
9601-9800	7.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
9801-10000	7.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1

TOTAL NUMBER OF OBSERVATIONS: 72

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 1800-2000

TOTAL NUMBER OF OBSERVATIONS: 25

NATIONAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724296 STATION NAME: MCQUEEN AFB TX

PERIOD OF RECORD: 77-86  
 MONTH: DEC HOURS(IST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	1 1/2	2	2 1/2	3	3 1/2	4	5	6	7	8	9	10	11	12	13
NO CEIL	1	5.7	46.1	46.2	46.9	46.9	46.9	46.9	47.0	47.0	47.0	47.2	47.3	47.3	47.3	47.3
60	2100	6.9	52.6	52.7	53.3	53.7	53.7	53.7	53.8	53.8	53.8	54.0	54.1	54.1	54.1	54.2
60	1800	6.9	52.6	52.7	53.3	53.7	53.7	53.7	53.8	53.8	53.8	54.0	54.1	54.1	54.1	54.2
60	1600	6.9	52.6	52.7	53.3	53.7	53.7	53.7	53.8	53.8	53.8	54.0	54.1	54.1	54.1	54.2
60	1400	6.9	52.6	52.7	53.3	53.7	53.7	53.7	53.8	53.8	53.8	54.0	54.1	54.1	54.1	54.2
60	1200	6.9	52.6	52.7	53.3	53.7	53.7	53.7	53.8	53.8	53.8	54.0	54.1	54.1	54.1	54.2
60	1000	7.1	57.0	57.1	57.7	58.1	58.1	58.2	58.2	58.2	58.4	58.5	58.5	58.5	58.6	58.6
60	900	7.1	57.0	57.1	57.7	58.1	58.1	58.2	58.2	58.2	58.4	58.5	58.5	58.5	58.6	58.6
60	800	7.6	61.1	61.6	61.6	61.6	61.6	61.9	61.9	61.9	62.2	62.3	62.3	62.3	62.4	62.4
60	700	8.0	61.5	62.5	63.2	63.5	63.5	63.7	63.7	63.7	63.9	64.0	64.0	64.0	64.1	64.1
60	600	8.3	63.0	63.7	64.4	64.7	64.7	64.8	64.8	64.8	65.1	65.2	65.2	65.2	65.3	65.3
60	500	8.7	65.6	66.2	67.1	67.4	67.4	67.5	67.5	67.5	67.7	67.8	67.8	67.8	68.0	68.0
60	400	8.7	64.1	64.7	65.5	65.9	66.2	66.2	66.3	66.3	66.5	66.6	66.6	66.6	66.8	66.8
60	300	8.8	73.5	73.3	72.2	72.7	73.0	73.1	73.2	73.2	73.4	73.5	73.5	73.5	73.7	73.7
60	200	8.8	71.7	72.9	73.9	74.6	75.1	75.1	75.2	75.4	75.6	75.7	75.7	75.7	75.8	75.8
60	100	9.1	76.5	77.7	78.6	79.5	79.9	80.0	80.3	80.4	80.6	80.8	80.8	80.8	80.9	80.9
60	2000	9.1	77.4	78.5	79.5	80.6	81.5	81.9	82.7	82.8	82.5	82.7	82.8	82.8	82.9	83.0
60	1800	9.1	78.5	79.5	80.6	81.7	82.6	83.2	83.7	84.0	84.1	84.2	84.4	84.4	84.5	84.6
60	1600	9.1	73.9	73.4	72.3	73.3	73.6	73.6	73.7	73.8	74.5	74.6	74.8	74.9	75.1	75.2
60	1400	9.1	81.1	81.6	82.7	84.9	85.4	86.1	86.5	86.6	86.8	87.0	87.1	87.1	87.2	87.2
60	1200	9.1	80.3	81.9	84.1	85.6	86.1	86.9	87.2	87.2	87.5	87.7	87.7	87.8	88.0	88.0
60	1000	9.1	81.3	81.8	84.1	85.7	86.2	87.1	87.4	87.4	87.5	87.7	87.7	87.8	88.2	88.2
60	900	9.1	80.3	82.1	84.4	86.5	87.1	88.0	88.5	88.7	89.0	89.2	89.2	89.4	89.5	89.5
60	800	9.1	81.4	82.5	85.1	87.3	88.0	88.5	89.4	89.6	89.9	90.1	90.1	90.2	90.3	90.3
60	700	9.1	81.5	82.6	85.2	87.7	88.7	89.6	90.2	90.4	90.6	91.0	91.0	91.1	91.2	91.2
60	600	9.1	81.2	83.3	86.1	89.1	90.2	91.0	91.9	92.0	92.5	92.7	92.7	92.8	92.9	92.9
60	500	9.2	81.2	83.7	86.5	89.6	90.6	91.6	92.8	93.0	93.7	94.2	94.9	94.1	94.2	94.2
60	400	9.1	81.4	83.9	86.7	90.1	91.3	92.7	93.9	94.1	94.7	95.2	95.2	95.4	95.5	95.5
60	300	9.1	81.5	84.1	86.5	90.3	91.5	92.9	94.0	94.5	95.5	96.1	96.7	96.9	97.0	97.0
60	200	9.1	81.5	84.0	86.5	90.5	91.8	94.5	96.5	96.6	97.4	98.2	98.2	98.6	99.1	99.1
60	100	9.1	81.5	84.0	86.5	90.5	91.5	94.5	96.0	96.6	97.4	98.2	98.9	99.5	99.9	99.9
60	0	9.1	81.5	84.0	86.5	90.5	91.5	94.5	96.0	96.6	97.4	98.2	98.9	99.5	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 55

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): ALL

CIRCUIT	VISIBILITY IN STATUTE MILES															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	1/16	1/8	3/16	1/4	5/16	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 1/2	1 3/4	2
01 01101	6.4	43.7	44.3	44.9	45.2	45.2	45.4	45.4	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.6
02 21101	7.1	47.9	51.6	51.1	51.5	51.5	51.7	51.7	51.7	51.8	51.8	51.8	51.9	51.9	51.9	51.9
03 11101	7.1	47.9	50.6	51.2	51.7	51.7	51.9	51.9	51.9	52.0	52.0	52.0	52.1	52.1	52.1	52.1
04 11101	7.1	47.9	50.6	51.3	51.7	51.7	51.9	51.9	51.9	52.0	52.0	52.0	52.1	52.1	52.1	52.1
05 14101	7.1	47.9	51.7	51.9	51.9	51.8	52.0	52.0	52.0	52.1	52.1	52.1	52.1	52.2	52.2	52.2
06 11101	7.2	51.6	51.4	52.1	52.4	52.5	52.7	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.9	52.9
07 10101	7.1	44.5	55.3	56.1	55.5	56.6	56.7	56.8	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9
08 91101	7.5	54.8	55.5	56.4	56.8	56.9	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2
09 81101	7.9	58.7	59.8	60.5	61.1	61.2	61.4	61.4	61.4	61.5	61.5	61.5	61.6	61.6	61.6	61.6
10 71101	4.7	57.7	51.7	61.6	62.1	62.2	62.3	62.4	62.4	62.5	62.5	62.5	62.6	62.6	62.6	62.6
11 51101	4.1	57.5	51.5	62.4	62.9	63.0	63.2	63.3	63.3	63.4	63.4	63.4	63.4	63.5	63.5	63.5
12 71101	4.4	53.3	54.6	65.5	66.1	66.2	66.4	66.5	66.5	66.5	66.6	66.6	66.6	66.7	66.7	66.7
13 41101	4.7	65.6	57.1	63.2	69.3	69.0	69.2	69.3	69.3	69.4	69.4	69.4	69.5	69.5	69.5	69.5
14 91101	9.0	68.4	69.7	71.0	71.8	72.0	72.3	72.4	72.4	72.5	72.5	72.5	72.6	72.6	72.6	72.6
15 35101	9.7	71.1	72.6	74.1	75.3	75.3	75.5	75.7	75.7	75.8	75.9	75.9	76.0	76.0	76.0	76.0
16 37001	9.4	74.4	76.3	77.3	78.9	79.3	79.7	79.8	79.9	80.1	80.1	80.1	80.1	80.2	80.2	80.2
17 25001	9.6	76.1	78.3	79.9	81.2	81.5	81.9	82.1	82.2	82.3	82.4	82.4	82.4	82.5	82.5	82.5
18 25101	9.6	77.3	79.5	81.3	82.5	82.8	83.0	83.2	83.2	83.3	83.4	83.4	83.4	83.4	83.4	83.5
19 11101	9.6	77.5	79.8	81.6	82.9	83.5	84.1	84.4	84.4	84.6	84.7	84.7	84.7	84.8	84.8	84.8
20 11101	9.6	78.3	81.7	82.7	84.2	84.9	85.6	85.6	85.9	86.0	86.1	86.1	86.2	86.3	86.3	86.3
21 10101	9.6	73.7	81.2	83.3	84.9	85.6	86.4	86.7	86.7	86.8	86.9	87.0	87.1	87.1	87.1	87.1
22 10101	9.6	79.0	81.7	83.9	85.7	86.5	87.4	87.6	87.7	88.1	88.2	88.2	88.3	88.3	88.3	88.3
23 91101	9.6	79.2	81.9	84.3	86.2	87.1	88.1	88.1	88.6	88.8	88.9	89.0	89.1	89.1	89.1	89.1
24 91101	9.6	79.4	82.3	84.5	86.4	87.1	88.1	88.1	88.6	88.9	89.0	89.1	89.1	89.2	89.2	89.2
25 71101	9.6	74.6	82.0	85.2	87.7	88.9	90.0	90.3	90.6	90.9	91.1	91.1	91.2	91.2	91.2	91.3
26 61101	9.6	79.8	82.9	85.7	88.5	89.8	91.7	91.6	91.7	92.1	92.2	92.2	92.4	92.4	92.4	92.5
27 51101	9.6	79.9	83.2	86.2	89.7	91.9	92.5	93.4	93.5	94.0	94.2	94.2	94.4	94.4	94.4	94.5
28 41101	9.6	80.0	83.4	86.5	90.0	91.8	92.8	94.0	94.2	95.6	96.0	96.0	96.2	96.3	96.3	96.4
29 31101	9.6	80.1	83.5	86.8	90.7	92.2	94.4	95.7	96.1	97.6	97.4	97.4	97.6	97.7	97.8	97.8
30 21101	9.6	80.1	83.5	86.8	90.5	92.5	94.7	96.2	96.6	97.8	97.4	97.4	97.6	97.8	97.9	97.9
31 11101	9.6	80.1	83.5	86.8	90.5	92.5	94.9	96.2	96.7	97.9	98.5	98.6	99.1	99.2	99.5	100.0
32 01101	9.6	80.1	83.5	86.8	90.5	92.5	94.9	96.2	96.7	97.9	98.5	98.6	99.1	99.2	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 7440

CLIMATE CLIMATOLOGY BRANCH  
 WAFS/AFAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VIEWS & VISIBILITY  
 FROM FOURLY OBSERVATIONS

STATION NUMBER: 704154 STATION NAME: MC GUIRE AFB NJ

PERIOD OF RECORD: 77-87  
 MONTH: ALL HOURS(EST): ALL

CEILING		VISIBILITY IN STATUTE MILES															
FEET	FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
NO CEIL	1	7.7	43.1	45.3	46.8	47.4	48.1	49.3	48.5	48.5	48.6	49.6	43.6	49.7	48.7	48.7	48.7
GE 1000	1	8.1	45.9	51.7	53.5	54.7	55.1	55.4	55.6	55.6	55.7	55.7	55.8	55.8	55.8	55.9	55.9
GE 1000	1	8.1	47.0	51.5	53.7	54.9	55.3	55.6	55.7	55.7	55.8	55.8	55.9	55.9	56.0	56.0	56.1
GE 1000	1	8.1	49.0	51.9	53.7	54.9	55.3	55.6	55.7	55.8	55.8	55.9	55.9	55.9	56.0	56.0	56.1
GE 1000	1	8.2	49.2	52.1	53.9	55.2	55.5	55.8	56.0	56.7	56.1	56.2	56.2	56.2	56.3	56.3	56.3
GE 1000	1	8.2	50.0	52.4	54.8	55.1	56.5	56.4	56.7	56.9	57.0	57.1	57.1	57.2	57.2	57.2	57.3
GE 1000	1	8.5	53.5	56.2	58.3	59.7	60.1	60.5	60.6	60.7	60.8	60.9	60.9	60.9	61.0	61.0	61.0
GE 1000	1	8.6	53.4	56.6	58.7	60.1	60.6	60.9	61.1	61.1	61.2	61.3	61.3	61.7	61.4	61.4	61.5
GE 1000	1	8.8	56.8	60.4	62.7	64.3	64.8	65.2	65.3	65.4	65.5	65.6	65.6	65.6	65.7	65.7	65.8
GE 1000	1	9.0	57.8	61.5	63.9	65.5	66.0	66.4	66.6	66.6	66.7	66.8	66.8	66.9	66.9	66.9	67.0
GE 1000	1	9.0	59.4	62.2	64.6	66.2	66.7	67.1	67.3	67.3	67.5	67.5	67.6	67.6	67.7	67.7	67.7
GE 1000	1	9.2	60.5	64.4	66.9	68.6	69.1	69.5	69.7	69.8	69.9	70.0	70.0	70.1	70.1	70.1	70.2
GE 1000	1	9.4	62.7	66.8	69.4	71.3	71.6	72.2	72.5	72.5	72.6	72.7	72.7	72.8	72.8	72.8	72.9
GE 1000	1	9.6	64.9	69.3	72.1	74.1	74.7	75.1	75.4	75.4	75.5	75.6	75.6	75.7	75.7	75.8	75.8
GE 1000	1	9.9	67.3	72.0	75.0	77.2	77.8	78.3	78.5	78.6	78.7	78.8	78.9	78.9	79.0	79.0	79.0
GE 1000	1	10.1	69.8	74.8	78.1	80.5	81.2	81.8	82.0	82.1	82.3	82.4	82.4	82.5	82.5	82.5	82.6
GE 1000	1	10.2	71.0	76.1	79.5	82.2	82.9	83.5	83.8	83.9	84.0	84.1	84.1	84.2	84.2	84.3	84.3
GE 1000	1	10.2	71.8	77.1	80.7	83.4	84.2	84.9	85.2	85.2	85.4	85.5	85.6	85.6	85.7	85.7	85.8
GE 1000	1	10.2	72.7	77.3	81.0	83.7	84.5	85.2	85.5	85.5	85.7	85.8	85.9	85.9	86.0	86.0	86.1
GE 1000	1	10.2	72.7	78.3	82.1	85.2	85.8	86.6	86.9	87.0	87.2	87.3	87.3	87.4	87.4	87.5	87.6
GE 1000	1	10.2	73.2	78.5	82.3	85.5	86.7	87.5	87.9	87.9	88.1	88.3	88.3	88.4	88.4	88.5	88.5
GE 1000	1	10.2	73.5	79.4	83.5	86.7	87.6	88.7	89.1	89.2	89.5	89.6	89.6	89.8	89.8	89.8	89.9
GE 1000	1	10.2	73.7	79.7	83.9	87.3	88.3	89.7	89.7	89.9	90.1	90.3	90.3	90.4	90.4	90.5	90.6
GE 1000	1	10.2	73.9	80.0	84.3	87.9	89.0	90.1	90.6	90.7	91.0	91.2	91.3	91.4	91.4	91.5	91.5
GE 1000	1	10.2	74.1	80.3	84.7	88.5	89.8	90.9	91.5	91.6	92.0	92.2	92.2	92.4	92.4	92.4	92.5
GE 1000	1	10.2	74.2	80.5	85.1	89.1	90.5	91.6	92.4	92.6	93.0	93.2	93.2	93.4	93.4	93.5	93.6
GE 1000	1	10.2	74.3	80.7	85.5	89.6	91.3	92.9	93.7	93.7	94.4	94.7	94.7	94.9	95.0	95.0	95.1
GE 1000	1	10.2	74.4	80.8	85.7	90.2	91.9	93.7	94.7	95.1	95.6	95.9	95.9	96.0	96.2	96.3	96.4
GE 1000	1	10.2	74.4	80.9	85.8	90.5	92.2	94.0	95.0	95.5	96.0	96.6	97.0	97.1	97.4	97.5	97.7
GE 1000	1	10.2	74.4	80.9	85.9	90.6	92.4	94.5	95.5	96.2	97.1	97.4	97.6	98.4	98.5	98.7	98.9
GE 1000	1	10.2	74.4	80.9	85.9	90.6	92.4	94.5	95.5	96.3	97.2	97.9	98.3	98.6	98.8	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 17541

WORLD CLIMATOLOGY BRANCH  
 WASHDC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724394 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
 MONTH: JAN

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS (LST)	1	2	3	4	5	6	7	8	9	10	MEAN	TOT OB	
01-02	27.0		17.2						15.1	40.8	5.9	93	
03-05	26.7		17.6						13.1	43.1	6.0	92	
06-08	26.0		23.7						19.6	40.7	6.5	92	
09-11	9.4		26.3						24.0	40.4	7.0	92	
12-14	5.9		24.7						27.5	40.9	7.3	93	
15-17	6.4		26.5						24.5	40.1	7.1	92	
18-20	10.3		29.6						16.1	37.9	6.1	92	
21-23	24.0		21.6						15.1	39.3	5.9	92	
TOTALS	16.6		23.6						19.4	40.4	6.5	742	

STATION NUMBER: 724394 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
 MONTH: FEB

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS (LST)	1	2	3	4	5	6	7	8	9	10	MEAN	TOT OB	
01-02	23.1		26.2						12.4	37.3	5.5	84	
03-05	23.2		26.6						12.3	37.0	5.4	84	
06-08	23.1		23.2						19.1	37.6	6.2	84	
09-11	12.6		16.0						21.9	40.6	6.8	84	
12-14	7.3		26.9						21.9	41.9	7.0	84	
15-17	8.5		27.5						24.7	39.0	7.0	84	
18-20	14.3		26.5						15.5	38.9	6.2	84	
21-23	25.9		24.2						15.0	36.8	5.7	84	
TOTALS	14.2		24.6						17.9	38.6	6.2	675	

GLOBAL CLIMATOLOGY BRANCH  
USAF/CLAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 7P-87  
MONTH: MAR

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOT OB
00-05	10.1			15.0						13.4	38.5	5.6	93
07-08	28.3			16.7						14.1	34.4	5.7	92
16-08	15.7			26.0						17.8	38.4	6.3	92
09-11	11.9			26.9						22.6	36.5	6.7	92
12-14	7.6			27.1						25.2	40.0	7.1	92
15-17	7.9			26.2						27.3	36.7	7.0	93
18-20	15.2			26.6						22.2	35.6	6.4	92
21-23	24.1			22.4						14.5	33.2	5.9	92
TOTALS	17.6			24.5						19.6	38.3	6.3	743

STATION NUMBER: 724096 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 7P-87  
MONTH: APR

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOT OB
00-02	29.1			20.4						13.7	39.7	5.8	89
07-08	26.0			26.5						12.0	41.5	5.6	89
16-08	14.4			23.2						22.1	40.3	6.7	89
09-11	10.4			26.3						26.7	36.5	6.9	89
12-14	6.5			26.2						30.4	37.0	7.2	89
15-17	7.7			23.5						29.9	38.9	7.3	89
18-20	9.9			31.0						21.9	38.2	6.7	90
21-23	21.9			23.7						14.6	39.8	6.0	89
TOTALS	15.2			24.4						21.4	37.0	6.6	717

GLOBAL CLIMATOLOGY BRANCH  
HSAFCTAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 774395 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: MAY

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOT OB
00-02	23.8			19.6						16.3	40.3	6.1	91
03-05	17.2			23.0						19.4	40.5	6.5	91
06-08	9.7			24.5						23.9	41.9	7.1	92
09-11	6.2			27.7						28.3	37.3	7.2	92
12-14	2.7			25.1						32.4	39.5	7.6	93
15-17	2.5			28.1						35.4	34.1	7.4	93
18-20	4.3			32.6						24.9	34.3	7.0	93
21-23	14.9			28.3						18.7	38.1	6.3	92
TOTALS	13.2			20.1						25.5	34.3	6.9	741

STATION NUMBER: 774396 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: JUL

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOT OB
00-02	27.2			24.5						16.8	31.4	5.4	87
03-05	16.6			26.6						23.3	31.5	6.1	87
06-08	12.7			26.3						26.6	32.4	6.5	87
09-11	6.3			21.9						27.7	32.2	6.7	88
12-14	2.5			24.6						34.9	29.9	7.1	89
15-17	2.9			22.9						34.6	29.6	7.1	89
18-20	6.4			26.2						27.9	29.6	6.5	89
21-23	22.4			20.6						15.4	30.5	5.5	89
TOTALS	12.4			20.7						26.0	30.9	6.4	708

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ATTN: WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: JUL

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURLY TEST	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOT OB
07-02	22.4			26.5						22.0	27.4	5.7	90
07-05	16.5			26.4						23.4	20.3	6.0	90
06-08	12.3			22.3						26.6	20.7	6.2	90
05-11	6.8			34.6						22.6	26.1	6.5	91
10-14	2.4			34.2						37.2	20.2	7.0	93
15-17	.9			37.6						38.1	24.0	6.9	92
18-20	3.7			37.4						32.6	26.5	6.7	91
21-23	16.1			24.8						22.0	27.1	5.7	90
TOTALS	10.1			23.4						29.6	27.0	6.4	731

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: AUG

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURLY TEST	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOT OB
07-02	22.9			24.0						21.3	21.8	5.8	90
07-05	14.6			24.9						21.2	25.3	6.2	90
06-08	11.3			26.4						27.4	22.9	6.6	89
05-11	7.3			31.5						25.6	25.6	6.7	91
10-14	.4			32.5						29.7	26.8	7.2	92
15-17	.8			35.0						29.5	24.7	7.1	92
18-20	5.9			36.6						21.3	26.2	6.5	92
21-23	11.2			21.1						23.9	26.9	5.8	91
TOTALS	13.7			23.5						22.0	24.8	6.5	730

WORLD CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724096 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: SEP

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOT OR
07-02	31.4			22.9						13.6	22.0	5.1	87
07-05	27.3			27.0						14.6	21.1	5.2	86
07-08	14.3			20.9						25.4	29.4	6.2	86
07-11	10.2			31.9						21.0	26.9	6.4	88
07-14	5.0			26.3						34.1	24.5	6.6	89
07-17	5.7			26.6						34.2	23.3	6.5	89
07-20	12.8			20.1						24.4	26.3	5.9	89
07-23	29.6			25.1						19.0	26.2	5.1	88
TOTALS	17.3			30.9						24.6	27.5	5.9	706

STATION NUMBER: 724096 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: OCT

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOT OR
07-02	27.9			20.4						16.7	25.0	5.6	91
07-05	29.2			19.7						16.0	25.1	5.5	91
07-08	13.9			20.4						25.3	20.4	6.2	92
07-11	7.9			23.7						23.0	26.4	6.4	92
07-14	6.0			20.0						34.2	27.2	6.9	93
07-17	7.3			26.2						29.1	24.4	6.8	92
07-20	17.4			20.6						24.2	27.9	5.9	92
07-23	27.2			24.9						19.5	20.3	5.5	92
TOTALS	17.4			27.1						25.0	29.8	6.1	738

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
FIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 724756 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: NOV

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS (EST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOT OB
07-02	26.0			16.9						14.9	42.1	6.1	88
02-05	25.6			17.9						12.5	44.0	6.1	88
06-08	12.6			25.8						21.7	39.8	6.7	89
02-11	8.9			25.9						25.9	39.3	7.0	89
12-14	7.2			24.6						29.4	38.8	7.3	90
15-17	7.0			26.0						24.7	38.3	7.2	90
19-20	16.9			21.6						20.7	41.4	6.6	89
21-23	21.0			21.2						16.9	41.3	6.2	89
TOTALS	15.6			21.5						21.3	40.6	6.7	715

STATION NUMBER: 724756 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: DEC

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS (EST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOT OB
07-02	24.3			15.8						13.3	42.1	5.9	92
02-05	26.3			17.3						14.1	42.3	6.0	92
06-08	15.1			25.2						20.9	34.9	6.5	92
02-11	4.3			26.5						23.7	41.6	7.1	93
12-14	5.9			25.4						24.7	40.2	7.1	92
15-17	7.2			19.7						24.2	38.9	7.0	92
19-20	19.2			24.7						14.4	41.8	6.2	92
21-23	26.0			16.9						16.5	40.3	6.0	92
TOTALS	17.1			21.1						17.3	40.7	6.5	741

CLIMATE CLIMATOLOGY BRANCH  
 WAFB/TAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 704096 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 77-87  
 MONTH: ALL

		PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN	TOT OB
HOURS (LST)		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	18.6			23.6						19.4	40.4	6.5	742
FEB		18.9			24.6						17.9	36.6	6.2	675
MAR		17.6			24.5						19.6	38.3	6.3	743
APR		15.2			24.4						21.4	39.0	6.6	717
MAY		10.2			26.1						25.5	38.3	6.9	741
JUN		12.4			30.7						26.0	30.9	6.4	708
JUL		10.1			23.4						29.6	27.0	6.4	731
AUG		10.7			20.6						30.0	29.9	6.5	730
SEP		17.3			20.9						24.6	27.5	5.9	706
OCT		17.4			27.1						25.6	29.8	6.1	738
NOV		19.6			22.5						21.3	40.6	6.7	715
DEC		17.1			23.2						19.0	40.7	6.5	741
TOTALS		14.9			26.8						23.3	35.3	6.4	8691

PPPPPPPP  
PPPPPPPP  
PP PP  
PP PP  
PPPPPPPP  
PPPPPPPP  
PP  
PP  
PP  
PP

AAAAAA  
AAAAAA  
AA AA  
AA AA  
AA AA  
AAAAAAAA  
AAAAAAAA  
AA AA  
AA AA  
AA AA  
AA AA

RRRRRRR  
RRRRRRRR  
RR RR  
RR RR  
RRRRRRR  
RRRRRRR  
RR RR  
RR RR  
RR RR  
RR RR  
RR RR

TTTTTTTT  
TTTTTTTT  
TT  
TT  
TT  
TT  
TT  
TT  
TT  
TT  
TT

EEEEEEEE  
EEEEEEEE  
EE  
EE  
EEEE  
EEEE  
EE  
EE  
EEEEEEEE  
EEEEEEEE

## TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY MAXIMUM (MINIMUM AND MEAN) TEMPERATURES

DATA DERIVED FROM SUMMARY OF DAY DATA.

PERCENTAGE TABULATIONS PRESENTED BY 5-DEGREE FAHRENHEIT INCREMENTS PLUS THE MEAN, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNT.

THE MINIMUM TABLE ALSO INCLUDES A 33 FAHRENHEIT DEGREE INCREMENT.

SINCE MANY STATIONS/SITES DO NOT HAVE MAXIMUM/MINIMUM THERMOMETERS, THESE TEMPERATURES WERE SELECTED BY SCANNING THE HOURLY OBSERVATIONS FOR THE HIGHEST AND LOWEST VALUES.

STATISTICS DO NOT INCLUDE INCOMPLETE MONTHS (THOSE CONTAINING ASTERISKS).

FOUR OR MORE COMPLETE MONTHS ARE REQUIRED FOR COMPUTATION AND DISPLAY OF STATISTICAL VALUES.

### EXTREME MAXIMUM AND MINIMUM VALUES

DATA DERIVED FROM SUMMARY OF DAY DATA.

PRESENTED ARE THE HIGHEST (LOWEST) TEMPERATURE FOR THE MONTH FOR EACH YEAR.

ALSO PRESENTED ARE STATISTICAL VALUES WITH THE SAME LIMITATIONS MENTIONED ABOVE.

AN ASTERISK INDICATES AN INCOMPLETE MONTH.

### MEANS AND STANDARD DEVIATIONS FOR DRY BULB (WET BULB AND DEW POINT) TEMPERATURES

DATA DERIVED FROM HOURLY OBSERVATIONS.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE MEANS, STANDARD DEVIATION AND OBSERVATION COUNTS.

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PERCENTAGE VALUES PRESENTED IN 10 DEGREE INCREMENTS OF RELATIVE HUMIDITY.

ALSO PRESENTED ARE THE MEAN VALUES AND OBSERVATION COUNTS.

JOINT CLIMATOLOGY BRANCH  
 CHARLESTON  
 AIR WEATHER SERVICE/MAL

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MAXIMUM TEMPERATURES  
 FROM SUMMARY OF DAY DATA

STATION NUMBER: 720956

STATION NAME: MCQUEEN AFB TX

PERIOD OF RECORD: 42-46, 48-49

TEMPERATURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
01 101							4.6	4.1	4.2				1.1
02 901							4.6	2.1	2.6				1.2
03 801				1.4	1.4	1.4	2.6	14.1	8.4				4.7
04 701				2.6	4.1	4.1	7.4	41.4	7.4	1.1			11.2
05 601			4.3	5.6	21.4	8.4	8.4	72.1	7.4	6.1	2.6		17.4
06 501			2.6	11.4	40.4	77.4	94.6	51.4	5.4	17.4	1.4	4.1	33.7
07 401	1.4	2.4	5.6	22.4	60.4	91.4	94.1	98.4	78.4	59.4	6.4	2.6	41.5
08 301	14.1	21.4	14.1	35.4	77.4	97.1	97.1	99.4	92.4	77.4	18.4	4.1	44.1
09 201	44.4	62.4	77.4	84.4	89.4	94.6	94.6	100.0	98.4	94.4	80.4	7.4	57.1
10 101	44.4	77.4	84.4	89.4	97.1	100.0			94.4	80.4	48.4	14.1	64.7
11 001	10.4	11.4	48.4	77.4	92.4				100.0	97.4	67.4	1.4	71.4
12 901	7.4	7.4	65.4	84.4	94.6	100.0				94.4	84.4	7.4	78.4
13 801	4.4	4.4	77.4	89.4	99.4					94.4	94.4	1.4	84.4
14 701	4.4	4.4	77.4	94.4	99.4					100.0	94.4	7.4	92.4
15 601	4.4	4.4	94.4	100.0							94.4	4.4	94.4
16 501	4.4	4.4	94.4	100.0							100.0	4.4	94.4
17 401	4.4	4.4	100.0									4.4	94.4
18 301	4.4	4.4	100.0									4.4	94.4
19 201	4.4	4.4	100.0									4.4	94.4
20 101	4.4	4.4	100.0									4.4	94.4
21 001	4.4	4.4	100.0									4.4	94.4
22 901	4.4	4.4	100.0									4.4	94.4
23 801	4.4	4.4	100.0									4.4	94.4
24 701	4.4	4.4	100.0									4.4	94.4
25 601	4.4	4.4	100.0									4.4	94.4
26 501	4.4	4.4	100.0									4.4	94.4
27 401	4.4	4.4	100.0									4.4	94.4
28 301	4.4	4.4	100.0									4.4	94.4
29 201	4.4	4.4	100.0									4.4	94.4
30 101	4.4	4.4	100.0									4.4	94.4
31 001	4.4	4.4	100.0									4.4	94.4
32 901	4.4	4.4	100.0									4.4	94.4
33 801	4.4	4.4	100.0									4.4	94.4
34 701	4.4	4.4	100.0									4.4	94.4
35 601	4.4	4.4	100.0									4.4	94.4
36 501	4.4	4.4	100.0									4.4	94.4
37 401	4.4	4.4	100.0									4.4	94.4
38 301	4.4	4.4	100.0									4.4	94.4
39 201	4.4	4.4	100.0									4.4	94.4
40 101	4.4	4.4	100.0									4.4	94.4
41 001	4.4	4.4	100.0									4.4	94.4
42 901	4.4	4.4	100.0									4.4	94.4
43 801	4.4	4.4	100.0									4.4	94.4
44 701	4.4	4.4	100.0									4.4	94.4
45 601	4.4	4.4	100.0									4.4	94.4
46 501	4.4	4.4	100.0									4.4	94.4
47 401	4.4	4.4	100.0									4.4	94.4
48 301	4.4	4.4	100.0									4.4	94.4
49 201	4.4	4.4	100.0									4.4	94.4
50 101	4.4	4.4	100.0									4.4	94.4
51 001	4.4	4.4	100.0									4.4	94.4
52 901	4.4	4.4	100.0									4.4	94.4
53 801	4.4	4.4	100.0									4.4	94.4
54 701	4.4	4.4	100.0									4.4	94.4
55 601	4.4	4.4	100.0									4.4	94.4
56 501	4.4	4.4	100.0									4.4	94.4
57 401	4.4	4.4	100.0									4.4	94.4
58 301	4.4	4.4	100.0									4.4	94.4
59 201	4.4	4.4	100.0									4.4	94.4
60 101	4.4	4.4	100.0									4.4	94.4
61 001	4.4	4.4	100.0									4.4	94.4
62 901	4.4	4.4	100.0									4.4	94.4
63 801	4.4	4.4	100.0									4.4	94.4
64 701	4.4	4.4	100.0									4.4	94.4
65 601	4.4	4.4	100.0									4.4	94.4
66 501	4.4	4.4	100.0									4.4	94.4
67 401	4.4	4.4	100.0									4.4	94.4
68 301	4.4	4.4	100.0									4.4	94.4
69 201	4.4	4.4	100.0									4.4	94.4
70 101	4.4	4.4	100.0									4.4	94.4
71 001	4.4	4.4	100.0									4.4	94.4
72 901	4.4	4.4	100.0									4.4	94.4
73 801	4.4	4.4	100.0									4.4	94.4
74 701	4.4	4.4	100.0									4.4	94.4
75 601	4.4	4.4	100.0									4.4	94.4
76 501	4.4	4.4	100.0									4.4	94.4
77 401	4.4	4.4	100.0									4.4	94.4
78 301	4.4	4.4	100.0									4.4	94.4
79 201	4.4	4.4	100.0									4.4	94.4
80 101	4.4	4.4	100.0									4.4	94.4
81 001	4.4	4.4	100.0									4.4	94.4
82 901	4.4	4.4	100.0									4.4	94.4
83 801	4.4	4.4	100.0									4.4	94.4
84 701	4.4	4.4	100.0									4.4	94.4
85 601	4.4	4.4	100.0									4.4	94.4
86 501	4.4	4.4	100.0									4.4	94.4
87 401	4.4	4.4	100.0									4.4	94.4
88 301	4.4	4.4	100.0									4.4	94.4
89 201	4.4	4.4	100.0									4.4	94.4
90 101	4.4	4.4	100.0									4.4	94.4
91 001	4.4	4.4	100.0									4.4	94.4
92 901	4.4	4.4	100.0									4.4	94.4
93 801	4.4	4.4	100.0									4.4	94.4
94 701	4.4	4.4	100.0									4.4	94.4
95 601	4.4	4.4	100.0									4.4	94.4
96 501	4.4	4.4	100.0									4.4	94.4
97 401	4.4	4.4	100.0									4.4	94.4
98 301	4.4	4.4	100.0									4.4	94.4
99 201	4.4	4.4	100.0									4.4	94.4
100 101	4.4	4.4	100.0									4.4	94.4
101 001	4.4	4.4	100.0									4.4	94.4
102 901	4.4	4.4	100.0									4.4	94.4
103 801	4.4	4.4	100.0									4.4	94.4
104 701	4.4	4.4	100.0									4.4	94.4
105 601	4.4	4.4	100.0									4.4	94.4
106 501	4.4	4.4	100.0									4.4	94.4
107 401	4.4	4.4	100.0									4.4	94.4
108 301	4.4	4.4	100.0									4.4	94.4
109 201	4.4	4.4	100.0									4.4	94.4
110 101	4.4	4.4	100.0									4.4	94.4
111 001	4.4	4.4	100.0									4.4	94.4
112 901	4.4	4.4	100.0									4.4	94.4
113 801	4.4	4.4	100.0									4.4	94.4
114 701	4.4	4.4	100.0									4.4	94.4
115 601	4.4	4.4	100.0									4.4	94.4
116 501	4.4	4.4	100.0									4.4	94.4
117 401	4.4	4.4	100.0									4.4	94.4
118 301	4.4	4.4	100.0									4.4	94.4
119 201	4.4	4.4	100.0									4.4	94.4
120 101	4.4	4.4	100.0									4.4	94.4
121 001	4.4	4.4	100.0									4.4	94.4
122 901	4.4	4.4	100.0									4.4	94.4
123 801	4.4	4.4	100.0									4.4	94.4
124 701	4.4	4.4	100.0									4.4	94.4
125 601	4.4	4.4	100.0									4.4	94.4
126 501	4.4	4.4											

CLIMATE CLIMATOLOGY BRANCH  
OSAFETAC  
FOR WEATHER SERVICE/MAL

EMPIRICAL PERCENTAGE OF OCCURRENCE OF MINIMUM TEMPERATURES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724094

STATION NAME: MCHUPE AFR 10

PERIOD OF RECORD: 42-46, 48-47

TEMPERATURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
61 704						40	248	240	43	41			45
61 711					42	743	2643	2341	644	49			545
61 751					249	2444	6143	5247	1944	147			1749
61 811			41	144	1743	5147	8348	7944	7946	742	140		2346
61 851	41		47	541	3147	5148	9747	9344	4241	1744	442	43	3048
61 911	45	45	42	1045	5648	9444	10040	9941	8243	3540	943	144	4141
61 951	144	144	542	7142	8144	9446		9946	7441	5744	1646	345	4945
61 991	44	44	47	7743	9749	9545		10040	7647	7941	7643	1041	5846
61 151	1044	1444	7447	4044	9946			10040	9142	9746	4244		6847
61 151	1741	7143	9546	8741	9948				9642	6847	4943		7043
61 151	2749	7447	6546	9449	10040				9849	8249	4347		7447
61 151	4745	6546	9444	9542					10040	9540	6446		8747
61 151	6746	7445	9540	9949					9944	7044	9140		9140
61 151	8747	8741	9446	10040						10040	9144		9647
61 151	9749	9547	9447								9745		9848
61 151	10741	9847	10040								9945		9946
61 151	9947	9946									9948		9949
61 151	9949	10040									10040		10040
61 151	10040												10040
724094	1747	2044	3444	4141	5140	6145	6548	6444	5742	4645	3742	2747	4444
724094	94474	94401	74474	74499	74401	644745	544376	544970	744955	844441	844401	944399	164717
724094	144	144	1343	1040	1390	1440	1340	1293	1249	1113	1047	1333	15534

CEMAL CLIMATOLOGY BRANCH  
HSAFETAC  
AFB WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MEAN TEMPERATURES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 720096

STATION NAME: MCQUEEN AFB TX

PERIOD OF RECORD: 42-46, 48-49

TEMPERATURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GE 90°							.1						.0
GE 85°						.5	3.1	1.4	.5				.5
GE 80°					.5	8.7	23.4	16.7	4.6				4.5
GE 75°				.2	3.8	20.1	56.8	47.0	17.2	1.2	.1		13.7
GE 70°			.4	2.4	15.7	50.3	87.2	78.0	35.4	5.0	.5		23.4
GE 65°			4.1	7.1	34.0	90.6	98.7	95.6	61.2	15.6	2.2	.1	32.9
GE 60°	.2	.2	2.3	16.8	60.8	90.0	100.0	99.6	84.1	75.2	6.4	.6	41.9
GE 55°	1.2	1.4	8.3	22.1	82.4	99.5		100.0	95.6	58.0	16.2	2.3	49.6
GE 50°	3.6	4.4	17.7	57.5	95.9	100.0			99.1	80.0	33.1	7.2	58.2
GE 45°	4.7	11.0	32.4	80.3	99.5				100.0	94.5	55.2	16.7	66.4
GE 40°	19.6	24.7	58.9	94.3	100.0					98.6	77.6	32.4	75.3
GE 35°	76.0	46.5	79.4	98.6						100.0	92.9	52.1	83.7
GE 30°	93.0	67.1	92.3	99.9							98.5	74.4	90.8
GE 25°	96.7	84.2	97.7	100.0							99.8	87.2	95.4
GE 20°	94.8	74.2	99.3								100.0	95.4	98.1
GE 15°	95.6	79.4	100.0									99.1	99.4
GE 10°	94.9	94.3										99.8	99.8
GE 5°	99.8	100.0										100.0	100.0
GE 0°	100.0												100.0
MEAN	51.3	53.5	41.4	51.5	61.6	70.7	75.5	73.9	66.9	56.4	46.1	35.4	57.7
SD	9.770	9.212	10.491	8.136	7.339	6.468	5.346	5.420	7.417	7.877	8.424	9.418	17.375
TOTAL OBS	1332	1214	1333	1260	1302	1260	1302	1293	1289	1333	1247	1333	15538

U.S. AIR FORCE WEATHER SERVICE  
 MACFETAC  
 117 WEATHER SERVICE/MAC

EXTREME VALUES OF MAXIMUM TEMPERATURE  
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 74004 STATION NAME: MCGUIRE AFB MD

PERIOD OF RECORD: 42-46, 48-87

YEAR	WHOLE DEGREES FAHRENHEIT												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
42													
43	55	65	70	76	82	97	92	92	82	81	73	60	97
44	56	61	67	76	92	92	86	77	71	95	71	54	97
45	58	69	67	84	88	96	96	92	54	61	70	59	96
46	60	67	72										
47								84	48	76	62	60	
48	70	74	77	82	88	96	94	97	84	85	77	54	95
49	74	82	88	74	84	93	94	92	87	87	82	64	94
50	75	80	84	83	84	89	81	92	87	84	77	71	93
51	77	83	85	84	84	84	86	84	82	82	69	60	99
52	77	84	87	87	87	87	100	96	100	81	72	65	100
53	80	84	87	84	84	92	100	90	90	85	69	63	100
54	82	84	81	82	92	91	100	100	84	87	72	55	100
55	82	84	84	84	89	97	97	92	80	82	77	69	97
56	84	84	85	86	92	97	96	83	93	76	70	61	94
57	84	87	87	83	86	90	92	89	88	83	65	56	92
58	87	87	87	87	97	90	92	93	87	88	74	59	96
59	87	87	87	87	83	89	81	92	87	80	70	55	92
60	87	87	87	84	85	84	91	89	89	79	62	54	94
61	87	87	87	87	87	89	91	89	84	83	62	64	93
62	87	87	87	87	87	87	97	87	86	82	71	55	96
63	87	87	87	87	87	91	97	91	91	78	73	69	95
64	87	87	87	87	87	93	97	89	97	77	71	65	93
65	87	87	87	87	87	94	97	93	93	79	72	75	101
66	87	87	87	87	87	94	97	93	83	85	77	63	96
67	87	87	87	87	87	97	97	94	84	87	74	59	97
68	87	87	87	87	87	94	97	95	97	84	72	62	96
69	87	87	87	87	87	97	97	93	87	82	67	54	93
70	87	87	87	87	87	94	97	91	87	81	61	77	93
71	87	87	87	87	87	94	94	83	81	73	64	63	94

NOTE: \* BASED ON LESS THAN FULL MONTHS  
 \* AT LEAST ONE DAY LESS THAN 24 HRS

CONTINUED ON NEXT PAGE...

JOINT CLIMATOLOGY BRANCH  
HSAFLTAC  
AFW WEATHER SERVICE/MAC

EXTREME VALUES OF MAXIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 704890 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 42-46, 48-67

YEAR	WHOLE DEGREES FAHRENHEIT												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
42	64	61	72	46	81	90	91	97	94	80	76	64	97
43	63	65	75	66	91	93	92	89	89	79	82	62	93
44	67	92	95	79	88	90	90	96	81	84	78	69	96
45	67	72	79	93	82	92	86	93	87	76	66	58	93
46	94	63	45	87	90	88	97	92	92	75	70	56	97
47	61	42	75	42	89	90	95	91	95	61	70	69	95
48	62	72	78	73	88	83	90	91	85	86	74	65	91
49	77	90	96	79	90	95	102	97	100	78	68	66	102
50	90	63	75	80	90	90	93	99	85	76	71	60	93
51	61	61	66	77	85	89	95	99	87	82	81	74	95
52	57	57	70	65	82	97	99	97	100	84	68	63	100
53	66	63	61	72	87	95	91	88	90	84	67	72	95
54	67	73	75	91	87	87	94	96	92	66	74	56	96
55	67	62	81	73	93	95	98	91	90	87	74	59	98
56	66	99	76	76	91	94	99						
MEAN	69.2	63.7	72.2	84.1	87.8	92.7	94.5	92.3	89.8	81.5	72.3	63.0	96.0
MAX	84.94	74.95	87.93	94.92	96.96	99.97	99.97	99.99	99.95	99.92	99.95	99.94	99.90
TOTAL DAYS	1552	1714	1733	1267	1300	1101	1702	1793	1769	1737	1287	1233	15538

NOTES \* (BASED ON LESS THAN FULL MONTHS)  
# (AT LEAST ONE DAY LESS THAN 24 HRS)

GLOBAL CLIMATOLOGY BRANCH  
WAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MINIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 70496 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 42-46, 48-87

YEAR	WHOLE DEGREES FAHRENHEIT -M-O-N-T-H-S-												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
42									34	31	23	-1	
43	14	4	6	23	36	55	52	54	43	34	23	10	2
44	6	10	12	25	43	44	52	47	41	30	24	7	6
45	3	4	24	31	38	42	57	52	46	31	*22	6	0
46	10	11	23										
48								*56	42	31	28	8	
49	20	16	16	32	42	46	55	55	41	29	20	15	15
50	19	7	9	24	37	46	54	50	39	33	23	5	5
51	16	11	23	35	39	47	57	52	37	35	19	7	7
52	7	17	20	31	42	53	56	52	46	26	24	13	7
53	22	16	16	34	45	48	56	56	43	35	28	13	13
54	7	8	22	24	39	48	56	55	45	35	23	15	0
55	13	2	19	37	42	50	62	57	45	36	15	7	2
56	14	15	19	37	35	48	56	55	39	36	21	17	14
57	1	19	23	31	35	46	55	52	32	32	26	12	1
58	29	6	27	29	47	46	60	55	42	34	18	8	6
59	9	8	21	32	41	51	55	54	41	31	22	8	8
60	19	19	10	31	38	49	57	54	49	34	26	6	6
61	1	-4	17	31	41	50	54	53	39	30	26	13	-4
62	11	1	13	26	35	48	53	53	38	27	27	3	1
63	4	2	24	29	35	50	52	50	35	37	29	0	0
64	6	14	21	19	38	45	54	50	43	30	18	14	6
65	2	7	16	25	44	47	50	47	41	27	24	15	2
66	6	6	20	27	31	44	56	56	43	25	24	13	6
67	12	7	8	24	38	47	55	60	30	30	22	14	2
68	0	7	16	29	41	50	53	53	46	32	20	13	2
69	12	14	19	22	41	52	59	55	44	25	19	15	10
70	3	5	20	26	36	52	58	57	42	33	19	13	3
71	6	6	22	28	40	51	52	50	46	43	24	18	6
72	6	10	19	25	37	42	54	49	44	28	21	18	6

NOTES \* (BASED ON LESS THAN FULL MONTHS)  
# (AT LEAST ONE DAY LESS THAN 24 OBS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MINIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 724796 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 42-46, 48-87

YEAR	WHOLE DEGREES FAHRENHEIT -M-O-N-T-H-S-												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
73	10	6	25	32	39	55	56	57	47	34	23	11	6
74	9	4	19	20	38	50	53	54	37	27	22	21	4
75	12	15	19	27	38	48	55	55	42	29	29	15	12
76	4	9	21	28	38	45	53	42	40	28	19	8	4
77	-1	9	23	23	38	46	51	52	45	35	27	12	-1
78	10	4	14	33	34	44	53	62	34	34	29	17	8
79	7	-2	20	29	41	47	53	49	43	32	27	19	-2
80	10	13	10	29	41	47	56	60	41	34	25	5	5
81	-1	11	20	31	37	52	54	53	45	34	26	15	-1
82	-4	18	20	20	44	50	55	44	47	31	23	13	-4
83	13	8	24	30	37	50	56	56	40	29	29	2	2
84	-8	13	9	30	38	45	56	52	41	36	23	22	-8
85	9	14	20	27	39	49	56	52	44	33	31	8	0
86	9	14	13	29	35	45	55	47	42	38	18	13	9
87	1	6	21	32	40	49	57						
MEAN	7.3	9.5	18.2	28.3	38.8	48.3	54.9	52.9	42.0	32.0	23.7	11.3	4.2
TOTAL OBS	1332	1214	1333	1260	1302	1260	1302	1293	1289	1333	1287	1233	15538

NOTES \* (BASED ON LESS THAN FULL MONTHS)  
# (AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH  
USAF/CIAC  
AF Weather Service/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 704096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: JAN

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	[RELATIVE HUMIDITY]	NUM OBS	
JAN	00-03	100.0	100.0	99.5	95.8	84.9	64.4	41.9	25.3	12.5	69.0	930	
	03-05	100.0	100.0	99.8	96.8	87.2	66.4	44.2	27.1	13.0	69.1	924	
	06-09	100.0	100.0	99.7	97.1	88.6	70.0	46.7	27.9	10.9	67.8	924	
	09-11	100.0	100.0	99.7	94.4	75.9	54.1	33.9	21.0	10.5	64.6	930	
	12-14	100.0	100.0	97.5	84.9	58.7	39.0	25.2	16.7	9.4	59.6	924	
	15-17	100.0	100.0	98.0	94.9	59.7	37.5	25.7	18.5	9.1	58.9	930	
	18-20	100.0	100.0	99.8	94.1	77.1	51.1	32.9	21.3	9.9	64.2	924	
	21-23	100.0	100.0	99.6	95.1	81.5	60.4	38.5	23.4	11.8	66.7	930	
	TOTALS	100.0	100.0	99.2	92.9	76.7	55.2	36.1	22.6	10.8	65.0	7436	

ARMY CLIMATOLOGY BRANCH  
 WASHDC  
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 724096 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 78-87  
 MONTH: FEB

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	100.0	97.8	85.5	63.7	46.6	29.6	14.5	69.6	841
	03-05	100.0	100.0	100.0	97.8	89.6	66.9	47.3	32.3	15.2	70.7	841
	06-08	100.0	100.0	100.0	98.6	91.1	67.1	46.7	32.6	15.2	71.7	841
	09-11	100.0	100.0	99.5	90.2	71.3	47.4	31.9	23.3	11.3	63.3	841
	12-14	100.0	100.0	97.5	81.1	51.7	32.4	22.6	16.2	8.9	56.6	841
	15-17	100.0	100.0	95.9	77.5	47.8	33.7	24.0	16.1	7.8	55.9	841
	18-20	100.0	100.0	99.5	91.6	68.4	45.7	33.2	22.6	12.2	62.8	841
	21-23	100.0	100.0	100.0	96.4	80.8	57.2	41.3	26.6	12.5	67.3	841
	TOTALS	100.0	100.0	99.1	91.9	73.2	51.7	36.7	24.9	12.0	64.7	6761

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 79-87  
MONTH: MAR

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	[RELATIVE HUMIDITY]	NUM	
MAR	00-02	100.0	100.0	99.9	95.5	85.1	68.7	49.9	34.4	15.7	77.5	930	
	03-05	100.0	100.0	99.7	97.7	86.9	72.7	55.7	37.4	16.5	72.4	930	
	06-08	100.0	100.0	99.6	96.6	85.1	68.2	51.1	34.6	15.9	70.8	930	
	09-11	100.0	99.9	96.9	83.5	60.2	42.7	29.4	18.0	9.7	59.6	930	
	12-14	100.0	98.9	87.4	64.1	42.5	21.2	21.9	15.5	8.0	53.0	930	
	15-17	100.0	98.5	85.4	62.7	42.7	30.5	22.2	15.7	8.9	52.4	930	
	18-20	100.0	99.7	95.2	83.2	61.2	43.7	29.9	16.9	10.7	60.0	725	
	21-23	100.0	100.0	99.0	95.1	79.9	60.0	41.2	27.4	13.3	67.2	930	
TOTALS		100.0	99.6	95.4	84.6	68.0	52.0	37.7	25.3	12.3	63.2	7435	

USARL CLIMATOLOGY BRANCH  
USAFITAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 734096 STATION NAME: MCCUTRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: APR

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NUM OBS	
APR	00-02	100.0	100.0	99.7	97.2	88.7	74.2	55.6	35.4	14.1	72.4	900	
	03-05	100.0	100.0	100.0	99.7	93.9	81.2	63.6	40.8	19.6	75.5	900	
	06-08	100.0	100.0	99.3	97.0	87.6	74.7	54.7	35.6	16.7	72.4	900	
	09-11	100.0	99.7	94.8	77.7	59.9	41.3	28.3	17.8	10.0	59.9	900	
	12-14	100.0	99.1	84.4	60.7	42.9	31.3	22.1	14.7	6.2	51.9	900	
	15-17	100.0	99.2	77.7	56.1	43.6	32.7	21.2	14.8	7.7	51.3	900	
	18-20	100.0	99.4	93.0	74.9	59.9	44.4	31.4	20.9	10.3	59.3	900	
	21-23	100.0	99.8	98.4	91.7	79.7	64.9	47.7	27.9	12.2	68.1	900	
	TOTALS	100.0	99.7	93.4	82.0	69.4	55.7	40.6	26.2	12.0	63.7	7200	

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW FLATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 79-87  
MONTH: MAY

MONTH	HOURS 11511	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	100.0	99.6	95.5	85.6	67.3	43.5	17.3	77.0	930
	03-05	100.0	100.0	100.0	100.0	97.4	91.3	74.6	51.4	20.5	79.4	930
	06-08	100.0	100.0	99.8	96.5	91.2	77.3	60.0	38.9	13.7	73.9	930
	09-11	100.0	99.5	96.0	87.5	62.8	40.5	31.5	17.7	3.9	60.1	930
	12-14	100.0	100.0	90.6	67.3	46.2	30.9	20.5	11.9	3.0	52.7	930
	15-17	100.0	99.8	97.5	64.6	45.6	31.5	20.0	10.5	2.8	51.9	930
	18-20	100.0	100.0	96.1	83.1	65.7	49.2	32.1	18.5	5.4	61.0	928
	21-23	100.0	100.0	100.0	97.5	88.2	74.6	54.5	35.6	11.5	72.0	930
	TOTALS	100.0	100.0	96.5	86.8	74.1	60.7	45.1	28.5	9.8	66.0	7430

SIGNAL CLIMATOLOGY BRANCH  
OFFICIAL  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 740996 STATION NAME: MCCLURE AFB NJ

PERIOD OF RECORD: 79-87  
MONTH: JUN

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	[RELATIVE HUMIDITY]	NUM	
JUN	00-07	100.0	100.0	100.0	99.7	97.1	89.1	72.0	44.0	14.4	77.7	898	
	08-15	100.0	100.0	100.0	100.0	99.7	94.1	80.8	54.2	17.8	80.7	898	
	16-23	100.0	100.0	100.0	99.4	95.1	82.8	62.8	38.2	10.4	74.6	900	
	24-31	100.0	100.0	99.6	91.3	70.4	45.7	27.1	14.7	2.4	60.8	900	
	12-14	100.0	100.0	96.1	76.2	46.3	27.1	15.7	8.9	2.0	53.1	900	
	15-17	100.0	100.0	94.3	71.8	44.6	29.0	16.4	10.0	2.9	53.0	900	
	18-20	100.0	100.0	98.8	89.4	70.4	47.9	31.1	19.7	5.2	61.8	900	
	21-23	100.0	100.0	100.0	98.8	92.5	79.4	55.4	33.9	9.9	73.0	898	
	TOTALS	100.0	100.0	98.6	90.6	77.0	61.9	45.4	27.8	8.4	66.8	7196	

JOURNAL CLIMATOLOGY BRANCH  
USAFETAC  
414 WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 724396 STATION NAME: MCQUIRE AFB NJ

PERIOD OF RECORD: 78-87  
MONTH: JUL

MONTH	HOURS	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	95%	(RELATIVE HUMIDITY)	(NUM)
JUL	00-02	100.0	100.0	100.0	100.0	99.5	97.7	83.0	59.5	21.6		41.7	925
	03-05	100.0	100.0	100.0	100.0	99.7	97.8	90.0	65.7	27.8		84.1	930
	06-08	100.0	100.0	100.0	100.0	98.5	92.6	77.8	50.8	20.1		79.7	930
	09-11	100.0	100.0	99.9	95.6	81.7	58.9	33.7	14.1	4.6		64.5	930
	12-14	100.0	100.0	99.0	86.0	60.1	34.5	15.7	6.7	2.2		56.1	930
	15-17	100.0	100.0	98.3	84.3	57.6	37.2	18.2	8.4	2.7		54.3	925
	18-20	100.0	100.0	99.9	96.8	82.1	60.1	38.9	17.6	4.0		65.5	928
	21-23	100.0	100.0	100.0	94.9	98.2	91.5	71.7	43.1	10.4		77.2	927
TOTALS		100.0	100.0	99.6	95.3	84.7	71.2	53.6	33.2	11.9		70.6	7432

CLIMATE CLIMATOLOGY BRANCH  
 WASHINGTON  
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 74496 STATION NAME: MCENTIRE AFB NJ

PERIOD OF RECORD: 77-85  
 MONTH: AUG

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN	TOTAL
		1%	5%	10%	20%	30%	40%	50%	60%	70%	80%	(RELATIVE HUMIDITY)	NUM
AUG	00-05	100.0	100.0	100.0	100.0	99.8	99.7	98.2	90.5	21.4		92.5	930
	05-10	100.0	100.0	100.0	100.0	100.0	99.2	93.2	68.5	26.7		94.7	930
	10-15	100.0	100.0	100.0	100.0	99.9	97.7	82.5	56.7	18.3		81.2	930
	15-20	100.0	100.0	100.0	98.8	98.0	89.7	59.2	16.3	4.0		66.4	930
	20-25	100.0	100.0	99.5	97.5	84.0	55.3	17.5	7.3	1.5		57.2	930
	25-30	100.0	100.0	99.2	87.2	67.2	35.5	10.0	9.9	3.1		57.4	928
	30-35	100.0	100.0	100.0	95.7	90.4	70.7	44.7	23.7	6.2		68.9	930
	35-40	100.0	100.0	100.0	90.3	98.9	95.7	16.7	45.6	13.7		79.7	928
	40-45	100.0	100.0	99.8	96.4	87.7	74.5	57.6	36.0	11.9		72.1	7437
	TOTALS	100.0	100.0	99.8	96.4	87.7	74.5	57.6	36.0	11.9		72.1	7437

LOCAL CLIMATOLOGY BRANCH  
WASH DC  
AIR WEATHER SERVICE/MAO

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 74496 STATION NAME: MCQUIRY AFB NJ

PERIOD OF RECORD: 77-86  
MONTH: SEP

HOUR OF DAY	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN RELATIVE HUMIDITY	TOTAL NO.
	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%		
00-01	100.0	100.0	100.0	100.0	99.0	97.0	94.0	90.0	85.0	79.0	40.0	400
01-02	100.0	100.0	100.0	100.0	99.0	96.0	93.0	89.0	84.0	78.0	40.0	400
02-03	100.0	100.0	100.0	100.0	99.0	96.0	93.0	89.0	84.0	78.0	40.0	400
03-04	100.0	100.0	100.0	99.0	82.0	64.0	57.0	50.0	44.0	38.0	55.0	400
04-05	100.0	100.0	98.0	81.0	56.0	37.0	24.0	14.0	8.0	4.0	55.0	400
05-06	100.0	100.0	98.0	81.0	57.0	34.0	21.0	11.0	6.0	3.0	55.0	400
06-07	100.0	100.0	100.0	97.0	83.0	73.0	64.0	57.0	50.0	44.0	69.0	400
07-08	100.0	100.0	100.0	97.0	97.0	91.0	74.0	43.0	13.0	7.0	77.0	400
TOTALS	100.0	100.0	99.0	94.0	85.0	72.0	56.0	34.0	9.0	71.0	7200	

NEPAAC CLIMATELOGY BRANCH  
 WASHDC  
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 724294 STATION NAME: MCURTRE AFB MD

PERIOD OF RECORD: 77-86  
 MONTH: OCT

MONTH	HOURS (EST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	[RELATIVE HUMIDITY]	NUM OBS
OCT	0-23	100.0	100.0	100.0	99.7	98.9	91.2	73.2	41.2	11.9	77.4	931
	05-17	100.0	100.0	100.0	100.0	99.4	90.7	71.7	49.4	13.9	79.5	931
	06-18	100.0	100.0	100.0	99.7	99.2	94.4	76.5	47.2	12.4	79.9	931
	07-11	100.0	100.0	99.7	94.4	75.9	55.7	32.6	17.5	4.5	64.2	931
	12-14	100.0	100.0	98.9	77.7	53.2	29.5	16.3	9.2	3.1	53.9	931
	15-17	100.0	100.0	96.6	91.0	54.2	32.3	17.3	9.9	2.7	55.2	931
	18-21	100.0	100.0	99.9	96.1	91.3	77.5	41.9	19.9	4.4	68.3	931
	22-23	100.0	100.0	100.0	99.7	97.5	84.7	62.9	30.7	8.7	74.6	931
	TOTAL	100.0	100.0	99.1	93.4	83.7	67.5	50.7	29.2	7.6	69.2	7441

NATIONAL CLIMATOLOGY BRANCH  
 WASH DC  
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 704796 STATION NAME: MCQUEEN AFB TX

PERIOD OF RECORD: 77-86  
 MONTH: NOV

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	95%	[RELATIVE HUMIDITY]	SUM
NOV	00-02	100.0	100.0	100.0	99.7	92.8	77.1	58.7	37.5	15.4		74.7	895
	03-05	100.0	100.0	100.0	99.7	96.2	82.4	64.7	42.1	15.4		75.8	900
	06-08	100.0	100.0	100.0	99.8	97.2	84.7	64.5	42.8	15.3		76.3	900
	09-11	100.0	100.0	99.9	96.0	80.4	60.7	42.6	26.2	8.7		67.2	900
	12-14	100.0	100.0	98.4	81.0	57.6	39.1	26.1	15.1	5.7		57.6	900
	15-17	100.0	99.9	97.2	84.7	59.4	40.7	27.7	16.1	5.9		58.7	898
	18-20	100.0	100.0	99.6	95.2	81.0	61.7	40.8	24.6	9.6		67.2	895
	21-23	100.0	100.0	100.0	99.7	99.0	79.6	61.2	51.3	12.6		74.2	900
	TOTALS	100.0	100.0	99.2	94.2	81.7	64.5	47.1	29.5	11.1		64.5	7190

JOINT CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 704296 STATION NAME: MCCLURE AFB TX

PERIOD OF RECORD: 77-86  
MONTH: DEC

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	(RELATIVE HUMIDITY)	NUM OBS	
DEC	00-02	100.0	100.0	100.0	98.7	95.9	77.7	52.2	34.7	14.0	72.1	931	
	03-05	100.0	100.0	100.0	98.7	93.1	78.1	57.5	34.6	14.3	73.4	929	
	06-08	100.0	100.0	100.0	98.9	92.7	79.3	59.0	38.8	15.4	74.1	931	
	09-11	100.0	100.0	99.7	95.5	81.1	60.5	41.1	20.8	10.9	67.0	931	
	12-14	100.0	99.8	98.0	84.4	59.7	40.3	26.5	16.7	7.8	59.0	931	
	15-17	100.0	99.8	97.1	86.6	62.7	41.8	20.7	17.7	8.4	59.9	931	
	18-20	100.0	100.0	99.4	95.3	81.2	60.5	38.4	25.4	11.0	66.9	931	
	21-23	100.0	100.0	99.7	97.0	88.5	68.6	46.6	20.9	13.0	70.3	929	
	TOTALS	100.0	100.0	99.2	94.4	81.2	60.2	43.5	28.2	11.9	67.9	7438	

AD-A188 317

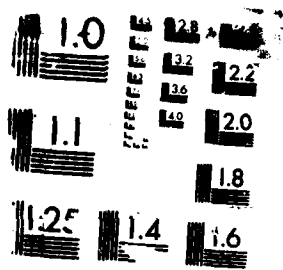
MCQUIRE AFB NEW JERSEY REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS (U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A. DEC 87  
USAFETAC/DS-87/082 F/G 4/2

4/4

UNCLASSIFIED

NL





U.S. GOVERNMENT PRINTING OFFICE: 1963 O - 348-000

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-87  
MONTH: ALL

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	(RELATIVE HUMIDITY)	(NUM)	(OBS)
JAN	ALL	100.0	100.0	99.2	92.9	76.7	55.2	36.1	22.6	17.8	65.0	7436	
FEB		100.0	100.0	99.1	91.8	73.2	51.7	36.7	24.9	12.0	64.7	6766	
MAR		100.0	99.6	95.4	84.8	68.0	52.7	37.7	25.3	12.3	63.2	7439	
APR		100.0	99.7	93.4	82.0	69.4	55.7	40.6	26.2	12.0	63.7	7200	
MAY		100.0	100.0	96.5	86.8	74.1	60.7	45.1	28.5	9.8	66.0	7438	
JUN		100.0	100.0	98.6	90.8	77.0	61.9	45.4	27.8	8.4	66.8	7196	
JUL		100.0	100.0	99.6	95.3	84.7	71.2	53.6	33.2	11.9	70.6	7432	
AUG		100.0	100.0	99.8	96.9	87.7	74.5	57.6	36.0	11.9	72.1	7437	
SEP		100.0	100.0	99.5	94.7	85.2	72.5	56.7	34.9	9.4	71.1	7200	
OCT		100.0	100.0	99.1	93.8	83.7	69.5	50.0	28.0	7.8	69.0	7440	
NOV		100.0	100.0	99.2	94.2	81.7	64.6	47.1	29.5	11.1	68.5	7196	
DEC		100.0	100.0	99.2	94.4	81.2	62.9	43.5	28.2	11.9	67.9	7438	
TOTALS		100.0	99.9	98.2	91.5	78.6	62.7	45.8	28.8	17.8	67.4	7619	

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

DPY-BULB TEMPERATURES DEG F FROM  
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-87

FOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	MEAN	28.0	29.7	37.5	46.3	56.1	64.0	69.6	68.5	62.0	51.7	44.1	34.7	49.4
07-02	SD	10.091	9.441	8.933	7.875	7.537	6.363	5.630	5.696	8.087	8.642	8.999	10.474	16.470
	TOT OBS	930	846	930	900	930	898	930	930	970	930	900	930	10954
	MEAN	27.2	28.4	36.2	44.5	54.6	62.3	68.0	67.1	60.5	50.5	42.9	33.8	46.1
07-05	SD	10.434	9.945	9.123	7.824	7.737	6.517	5.890	6.210	8.396	9.141	9.223	10.696	16.456
	TOT OBS	930	846	930	900	930	899	930	930	900	930	900	930	10955
	MEAN	26.8	28.1	36.9	46.9	56.6	66.8	71.5	69.7	62.4	51.3	42.9	33.2	49.7
06-08	SD	10.577	10.175	9.373	7.982	7.596	6.258	5.760	5.993	8.180	9.037	9.200	10.799	17.726
	TOT OBS	930	846	930	900	930	930	930	930	900	930	900	930	10956
	MEAN	33.6	33.0	43.5	54.5	66.2	74.3	79.1	77.5	70.7	59.5	48.8	37.6	56.4
07-11	SD	9.858	10.093	10.366	9.141	8.485	7.182	6.160	5.922	7.585	8.185	8.891	10.137	18.867
	TOT OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
	MEAN	34.2	37.2	47.9	58.7	70.3	78.3	83.2	81.6	75.1	64.1	53.1	41.4	60.5
12-14	SD	9.574	10.332	11.065	10.035	9.372	7.893	6.807	6.399	8.206	8.619	9.228	10.256	19.143
	TOT OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
	MEAN	33.9	37.6	48.3	58.9	70.3	78.1	82.9	81.0	74.7	63.2	51.9	40.6	60.2
15-17	SD	9.416	9.836	10.800	10.091	9.307	7.775	6.865	6.450	8.290	8.433	8.977	10.194	19.026
	TOT OBS	930	846	930	900	930	900	930	929	900	930	900	930	10955
	MEAN	30.6	33.7	43.5	53.7	64.5	72.6	77.9	75.3	67.9	56.5	47.4	37.1	55.1
18-20	SD	9.393	9.032	9.525	8.752	8.578	6.976	6.235	6.193	7.943	8.145	8.378	9.935	18.023
	TOT OBS	930	846	929	900	930	900	928	930	900	930	900	930	10953
	MEAN	23.9	31.3	39.9	49.0	58.9	66.7	72.1	70.5	63.7	53.1	45.3	35.5	51.3
21-23	SD	9.731	9.713	8.841	7.819	7.609	5.979	5.419	5.565	7.843	8.346	8.828	10.247	16.715
	TOT OBS	930	845	930	900	930	899	927	929	900	930	900	930	10950
	MEAN	27.0	32.4	41.7	51.5	62.4	70.4	75.5	73.9	67.1	56.2	47.0	36.7	53.9
ALL	SD	10.242	10.334	10.772	10.218	10.147	9.044	8.297	8.087	9.744	10.003	9.698	10.725	18.420
FOURS	TOT OBS	7440	6767	7439	7200	7440	7196	7435	7438	7200	7440	7200	7440	87635

GLOBAL CLIMATOLOGY BRANCH  
USAF/TAC  
AIR WEATHER SERVICE/MAC

WET-BULB TEMPERATURES DEG F FROM  
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-87

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-01	MEAN	25.5	27.2	34.2	42.4	52.3	59.8	65.9	65.1	58.6	48.3	40.7	31.9	46.1
	SD	10.159	9.671	9.017	7.841	7.905	6.561	5.781	6.102	8.357	9.090	9.393	10.548	16.246
	TOT OBS	930	946	930	900	930	898	929	930	900	930	899	930	10952
07-08	MEAN	24.8	26.1	33.2	41.2	51.3	58.8	64.9	64.2	57.5	47.5	39.9	31.3	45.2
	SD	10.447	10.124	9.238	7.996	8.227	6.821	6.156	6.618	8.715	9.412	9.517	10.753	16.357
	TOT OBS	929	846	930	900	930	899	930	930	900	930	900	929	10953
14-15	MEAN	24.5	25.9	33.7	43.0	54.0	61.8	67.2	65.9	58.9	48.2	39.9	30.8	46.3
	SD	10.615	10.388	9.346	7.926	7.869	6.309	5.621	6.195	8.454	9.266	9.409	10.799	17.137
	TOT OBS	929	846	930	900	930	900	930	930	900	930	900	930	10955
21-22	MEAN	27.4	29.4	37.9	47.3	57.8	65.1	70.4	69.5	63.2	53.0	44.0	34.0	50.0
	SD	9.813	10.084	9.534	8.141	7.880	6.612	5.407	5.670	7.485	8.345	8.942	10.192	17.016
	TOT OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
00-01	MEAN	29.8	32.2	40.5	49.3	59.4	66.3	71.4	70.5	64.5	54.8	46.0	36.2	51.8
	SD	9.357	9.719	9.374	8.041	7.856	6.477	5.435	5.595	7.422	8.292	8.808	9.900	16.436
	TOT OBS	929	845	930	900	930	900	930	930	900	930	900	930	10954
07-08	MEAN	29.6	32.4	40.7	49.3	59.2	66.0	71.1	70.0	64.2	54.2	45.1	35.6	51.5
	SD	9.335	9.257	9.009	7.842	7.757	6.332	5.231	5.448	7.349	8.213	8.776	9.926	16.285
	TOT OBS	930	846	930	900	930	900	929	928	970	930	898	930	10951
14-15	MEAN	27.4	29.4	37.9	46.6	56.6	63.8	69.4	68.0	61.7	51.2	42.7	33.5	49.1
	SD	9.506	9.137	8.804	7.679	7.671	5.973	5.273	5.630	7.693	8.429	8.983	10.028	16.416
	TOT OBS	929	846	929	900	928	900	928	930	900	930	899	930	10949
21-22	MEAN	30.2	32.4	40.9	49.1	58.9	65.3	70.2	69.1	62.6	52.1	43.4	33.4	49.2
	SD	9.816	9.244	8.768	7.721	7.671	6.108	5.378	5.866	7.979	8.631	9.330	10.301	16.202
	TOT OBS	930	845	929	900	930	899	927	929	900	930	900	929	10949
ALL	MEAN	26.9	28.9	36.8	45.4	55.6	62.9	68.4	67.4	61.0	50.8	42.5	33.2	48.4
	SD	10.069	9.991	9.544	8.419	8.375	6.911	6.002	6.310	8.340	9.133	9.408	10.469	16.690
HOURS	TOT OBS	7436	6766	7437	7200	7438	7196	7433	7437	7200	7440	7196	7438	87619

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

DEW-POINT TEMPERATURES DEG F FROM  
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-87

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02	MEAN	18.3	20.4	28.1	37.3	49.7	56.6	63.6	62.9	55.9	44.7	35.9	26.2	41.7
	SD	13.815	13.273	12.395	10.237	9.871	8.041	6.784	7.160	9.670	17.589	11.864	13.450	16.906
	TOT OBS	930	946	930	900	930	898	929	930	900	930	899	930	10952
03-05	MEAN	17.9	17.7	27.5	36.8	48.1	56.1	63.0	62.3	55.1	44.2	35.5	25.8	41.1
	SD	13.962	13.509	12.515	10.142	10.054	8.069	7.049	7.509	9.876	10.752	11.683	13.529	18.941
	TOT OBS	929	946	930	900	930	899	930	930	900	930	900	929	10953
06-08	MEAN	17.8	19.5	27.7	37.9	49.7	58.2	64.7	63.6	56.2	44.3	35.7	25.5	41.9
	SD	14.015	13.800	12.512	10.385	10.137	7.975	6.639	7.164	9.708	10.629	11.386	13.487	19.495
	TOT OBS	929	846	930	900	930	900	930	930	900	930	900	930	10955
09-11	MEAN	17.5	21.1	29.4	38.9	50.8	59.1	65.6	65.0	58.0	46.8	37.7	27.1	43.3
	SD	13.597	13.892	12.998	11.375	10.999	8.930	7.150	7.356	9.684	10.938	11.633	13.585	19.533
	TOT OBS	930	946	930	900	930	900	930	930	900	930	900	930	10956
12-14	MEAN	20.2	22.0	29.7	39.0	50.6	56.7	65.1	64.3	57.3	46.1	37.3	27.1	43.2
	SD	13.872	13.515	12.992	11.409	11.186	8.975	7.406	7.664	10.074	11.457	12.154	13.746	19.236
	TOT OBS	929	845	930	900	930	900	930	930	900	930	900	930	10954
15-17	MEAN	20.1	22.1	29.6	38.6	50.1	56.2	64.8	63.7	57.0	45.8	36.7	26.8	42.9
	SD	13.620	13.185	12.836	11.472	11.300	8.644	7.315	7.676	10.021	11.363	12.274	13.880	19.130
	TOT OBS	930	846	930	900	930	900	929	928	900	930	898	930	10951
18-20	MEAN	19.3	21.5	29.2	38.1	49.6	57.7	64.7	63.8	57.2	45.8	36.4	26.5	42.6
	SD	13.430	13.017	12.453	11.095	10.652	8.375	6.968	7.120	9.553	10.575	12.156	13.588	19.078
	TOT OBS	929	846	929	900	928	900	928	930	900	930	899	930	10949
21-23	MEAN	18.6	21.1	29.4	38.0	49.3	57.3	64.3	63.4	56.5	45.0	36.0	26.2	42.2
	SD	13.557	12.958	12.110	10.713	9.904	7.920	6.544	7.041	9.413	10.281	12.146	13.476	18.920
	TOT OBS	930	845	930	900	930	899	927	929	900	930	900	929	10949
ALL	MEAN	19.0	20.9	28.8	38.1	49.6	57.7	64.5	63.6	56.6	45.4	36.4	26.4	42.4
HOURS	SD	13.706	13.423	12.625	10.885	10.558	8.419	7.028	7.378	9.774	10.853	11.938	13.598	19.170
	TOT OBS	7436	6766	7439	7200	7438	7196	7433	7437	7200	7440	7196	7438	87619

PPPPPPPP  
PPPPPPPP  
PP PP  
PP PP  
PPPPPPPP  
PPPPPPPP  
PP  
PP  
PP  
PP

AAAAAA  
AAAAAAA  
AA AA  
AA AA  
AA AA  
AAAAAAA  
AAAAAAA  
AA AA  
AA AA  
AA AA  
AA AA

RRRRRRRR  
RRRRRRRR  
RR RR  
RR RR  
RRRRRRRR  
RRRRRRRR  
RR RR  
RR RR  
RR RR  
RR RR

TTTTTTTT  
TTTTTTTT  
TT  
TT  
TT  
TT  
TT  
TT  
TT  
TT

FFFFFFFF  
FFFFFFFF  
FF  
FF  
FFFFF  
FFFFF  
FF  
FF  
FF  
FF

PRESSURE SUMMARIES

STATION PRESSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

SEA LEVEL PRESSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

GLOBAL CLIMATOLOGY BRANCH  
USAF/CLTAC  
AIR WEATHER SERVICE/MAC

STATION PRESSURE IN INCHES Hg FROM  
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 724796 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-87

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
01	MEAN	29.863	29.907	29.852	29.801	29.820	29.815	29.832	29.875	29.918	29.935	29.935	29.922	29.873
	SD	.312	.267	.271	.232	.171	.159	.132	.122	.159	.219	.252	.275	.227
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
04	MEAN	29.864	29.903	29.839	29.794	29.815	29.811	29.829	29.868	29.912	29.931	29.932	29.927	29.868
	SD	.315	.270	.275	.235	.173	.162	.133	.124	.166	.220	.251	.274	.229
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
07	MEAN	29.877	29.923	29.867	29.820	29.843	29.836	29.854	29.893	29.935	29.954	29.951	29.945	29.892
	SD	.315	.274	.277	.242	.174	.167	.133	.126	.174	.223	.251	.271	.231
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
10	MEAN	29.900	29.940	29.878	29.821	29.845	29.836	29.856	29.899	29.945	29.964	29.968	29.973	29.902
	SD	.314	.279	.283	.247	.176	.163	.135	.128	.143	.231	.251	.271	.235
	TOT OBS	310	282	310	300	309	300	310	310	300	310	300	310	3651
13	MEAN	29.943	29.898	29.834	29.788	29.815	29.812	29.834	29.877	29.917	29.922	29.921	29.919	29.865
	SD	.315	.260	.280	.242	.176	.166	.134	.127	.167	.233	.243	.266	.231
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
16	MEAN	29.834	29.876	29.800	29.758	29.788	29.797	29.808	29.851	29.890	29.905	29.911	29.914	29.844
	SD	.312	.274	.270	.236	.174	.161	.136	.124	.162	.232	.234	.261	.228
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
19	MEAN	29.862	29.903	29.830	29.775	29.798	29.795	29.812	29.858	29.903	29.928	29.933	29.935	29.861
	SD	.311	.268	.263	.232	.170	.156	.133	.120	.157	.231	.232	.262	.226
	TOT OBS	310	282	310	300	310	300	309	310	300	310	300	310	3651
22	MEAN	29.969	29.914	29.851	29.802	29.824	29.822	29.835	29.882	29.923	29.945	29.937	29.936	29.878
	SD	.311	.265	.260	.232	.169	.154	.130	.120	.155	.228	.240	.267	.225
	TOT OBS	310	282	310	300	310	300	309	310	300	310	300	310	3651
ALL	MEAN	29.864	29.908	29.845	29.795	29.818	29.814	29.833	29.875	29.918	29.935	29.936	29.934	29.873
	SD	.313	.272	.274	.238	.174	.162	.134	.125	.166	.227	.244	.269	.230
HOURS	TOT OBS	2400	2256	2400	2400	2479	2400	2478	2480	2400	2480	2400	2480	29213

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

SEA LEVEL PRESSURE IN HRS FROM  
FOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 724096 STATION NAME: MCGUIRE AFB NJ

PERIOD OF RECORD: 77-87

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
71	MEAN	1016.8	1018.3	1016.4	1014.6	1015.2	1015.0	1015.6	1017.0	1018.5	1019.1	1019.1	1018.7	1017.0
	SD	10.652	9.137	9.233	7.932	5.813	5.446	4.494	4.164	5.419	7.440	8.584	9.386	7.751
	TOT OBS	310	282	310	310	310	299	310	310	300	310	300	310	3651
74	MEAN	1016.8	1018.1	1015.9	1014.3	1015.0	1014.9	1015.5	1016.8	1018.3	1019.0	1019.0	1018.9	1016.9
	SD	10.760	9.225	9.374	8.006	5.921	5.520	4.533	4.233	5.638	7.458	8.573	9.358	7.828
	TOT OBS	310	282	310	310	310	300	310	310	300	310	300	310	3652
77	MEAN	1017.3	1018.9	1016.9	1015.2	1016.0	1015.7	1016.3	1017.7	1019.2	1019.8	1019.7	1019.6	1017.7
	SD	10.755	9.362	9.447	8.239	5.963	5.669	4.532	4.309	5.907	7.569	8.534	9.259	7.881
	TOT OBS	310	282	310	310	310	300	310	310	300	310	300	310	3652
11	MEAN	1018.1	1019.4	1017.2	1015.2	1016.0	1015.7	1016.4	1017.8	1019.4	1020.1	1020.3	1020.5	1018.0
	SD	10.740	9.509	9.655	8.404	5.990	5.722	4.604	4.352	6.221	7.851	8.527	9.245	8.024
	TOT OBS	310	282	310	310	310	300	310	310	300	310	300	310	3652
13	MEAN	1016.1	1018.0	1015.9	1014.1	1015.0	1014.9	1015.6	1017.1	1018.4	1018.6	1018.7	1018.7	1016.7
	SD	10.762	9.557	9.324	8.273	6.027	5.674	4.598	4.336	5.680	7.921	8.269	9.062	7.894
	TOT OBS	310	282	310	310	310	299	310	310	300	310	300	310	3651
16	MEAN	1015.8	1017.2	1014.8	1013.1	1014.1	1014.0	1014.7	1016.2	1017.5	1018.1	1018.3	1018.5	1016.0
	SD	10.584	9.331	9.224	8.082	5.966	5.505	4.642	4.234	5.445	7.888	7.973	8.901	7.786
	TOT OBS	310	282	310	310	310	300	310	310	300	310	300	310	3652
19	MEAN	1016.8	1018.1	1015.6	1013.7	1014.5	1014.3	1014.9	1016.5	1018.0	1018.9	1019.1	1019.2	1016.6
	SD	10.631	9.153	8.986	7.953	5.814	5.306	4.546	4.107	5.352	7.851	7.910	8.918	7.715
	TOT OBS	310	282	310	310	310	300	309	310	300	310	300	310	3651
22	MEAN	1017.0	1018.5	1016.3	1014.6	1015.3	1015.3	1015.7	1017.3	1018.6	1019.5	1019.2	1019.3	1017.2
	SD	10.638	9.045	9.047	7.928	5.763	5.244	4.462	4.382	5.287	7.767	8.176	9.123	7.674
	TOT OBS	310	282	310	310	310	300	309	310	300	310	300	310	3651
ALL	MEAN	1016.8	1018.3	1016.1	1014.4	1015.1	1015.0	1015.6	1017.0	1018.5	1019.1	1019.2	1019.2	1017.0
	SD	10.707	9.297	9.327	8.121	5.933	5.534	4.579	4.255	5.651	7.733	8.329	9.165	7.840
HOURS	TOT OBS	2490	2256	2480	2400	2480	2398	2478	2480	2400	2480	2400	2480	29212

END

DATE  
FILMED

3 8R